

October 2012

Cost, Schedule, Risk
data date 9/28
Other Activities 10/31



MONTHLY PROGRESS REPORT

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

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1 EXECUTIVE SUMMARY

1.1 Key Activities This Month

The Federal Transit Administration (FTA) continues to review the City and County of Honolulu's (City's) request for a Full Funding Grant Agreement (FFGA) and is expected to enter into the agreement that commits \$1.55 B in federal funds by the end of the year.

On October 17, the State of Hawaii Intermediate Court of Appeals denied an appeal by Bombardier Transportation USA, Inc. (Bombardier), and upheld the City's decision to disqualify Bombardier from the core systems contract. The ruling reaffirmed the City's procurement process was done properly and in accordance with state law.

1.2 Key Current Issues

Partial Temporary Suspension of Work

HART continues to evaluate the cost and schedule impacts of the temporary suspension of construction work resulting from the August 24 Hawaii Supreme Court decision in the *Kaleikini vs. The City and County of Honolulu* case and to develop and implement mitigation strategies. Construction delay is estimated between 9 to 12 months at an estimated cost of \$7 million per month.

Following direction from HART's Board of Directors, final design and engineering activities on awarded contracts are continuing. This will position the project to resume construction on design-build contracts and commence construction procurement once the suspension of ground-disturbing activities is lifted. Securing of right-of-way and all required permits continues.

Archaeological Inventory Survey (AIS) Completion

HART has implemented an expedited AIS schedule in the Airport and City Center sections, completing over 20 trenches a week in October. As of October 26, all 40 planned trenches in the Airport section have been completed, while additional trenches have been added to accommodate design refinements. In the City Center section, 155 of the planned 232 trenches have been completed, along with 1 additional trench (151a). All AIS trenching has been completed in the West Oahu/Farrington Highway (WOFH) and Kamehameha Highway (KHG) guideway sections. Completion of AIS trenching for the full alignment is expected by the end of the year. The following activities must be completed prior to resuming construction:

- Preparation of the required AIS reports and submittal to the State Historic Preservation Division (SHPD) for review and approval;
- Preparation and Submittal of Required Burial Treatment Plans and submittal to SHPD and Oahu Island Burial Council review and approval; and
- Obtaining the required permits.

Potential Burial Site Discovery

On October 5, human skeletal fragments were discovered in trench 141, along with a horse skeleton. On October 6, a human burial, in a flexed position, was discovered in trench 142. The Oahu Island Burial Council (OIBC) is being consulted on these discoveries in accordance with the consultation protocol. As part of the AIS process, SHPD and OIBC review and approve burial treatment plans and HART continues to collaborate with SHPD and OIBC regarding the next steps. If needed, the 3 current finds (including one find in September) can be left in place and the HRTF column alignment and utilities can work around these locations.

Federal Lawsuit

In October, the United States District Court for the District of Hawaii completed hearing arguments on Civil Case No. 11-00301 A W T *honolulutraffic.com, Slate, Cayetano, Heen, Hawaii's Thousand Friends et al vs. FTA and City and County of Honolulu*. The Plaintiffs sought an Order on Cross-Motions for Summary Judgment on whether the FTA and City violated 3 federal statutes: the Department of Transportation Act, the National Environmental Policy

Act (NEPA) and the National Historic Preservation Act (NHPA) in approving the Honolulu Rail Transit Project (H RTP). The decision, filed on November 1, will be detailed in the November progress report. HART will have to provide additional documentation to the court on Traditional Cultural Property (TCP) studies, the elimination of the Beretania Street Tunnel alternative and impacts on Mother Waldron Park by November 30 for a further hearing on December 12.

1.3 Project Scope Status Overview

There have been no project scope changes; the project scope continues to reflect the Final Environmental Impact Statement (FEIS). While the scope has not changed, the Contract Packaging Plan (CPP) has been modified with certain facility design and construction work re-packaging.

1.4 Project Schedule Status Overview

Despite the AIS delay, HART is implementing measures to maintain the March 30, 2019 full revenue service date (RSD), 10 months ahead of the January 31, 2020 FFGA requirement. This RSD is the milestone date reflected in the FFGA Master Project Schedule (MPS) and is consistent with all FFGA request submittals.

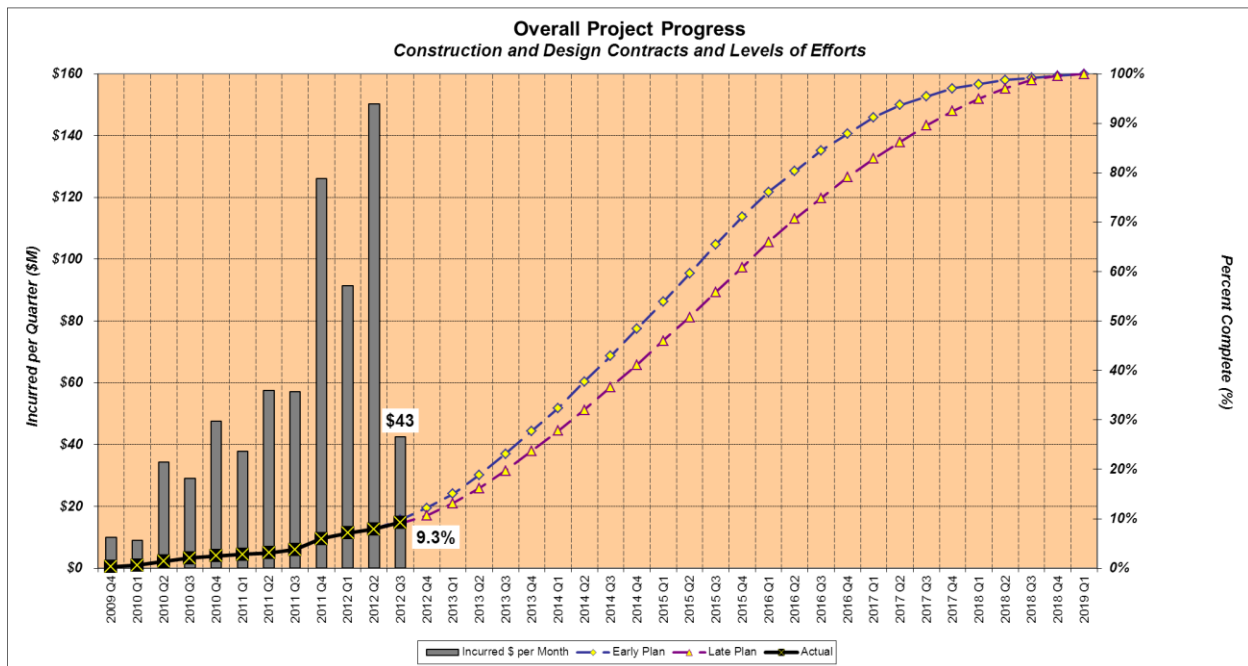
Due to the construction delay, the scheduled Interim Passenger Opening milestone will slip from June 2016 to June 2017. Several contract packages are being combined to maximize economies of scale and reduce interface needs between design and construction contractors to achieve both cost and schedule benefits. These updates are displayed in the latest Summary MPS on page 21 and Procurement Tracking Reports starting on page 28.

1.5 Project Progress Overview

Overall project, construction, design and utilities progress is presented below and on the following pages in terms of actual versus planned percent complete by quarter, in accordance with the FFGA MPS and Project Budget. Individual construction, design and utilities contract status is presented in Sections 3.2 through 3.7 of this report.

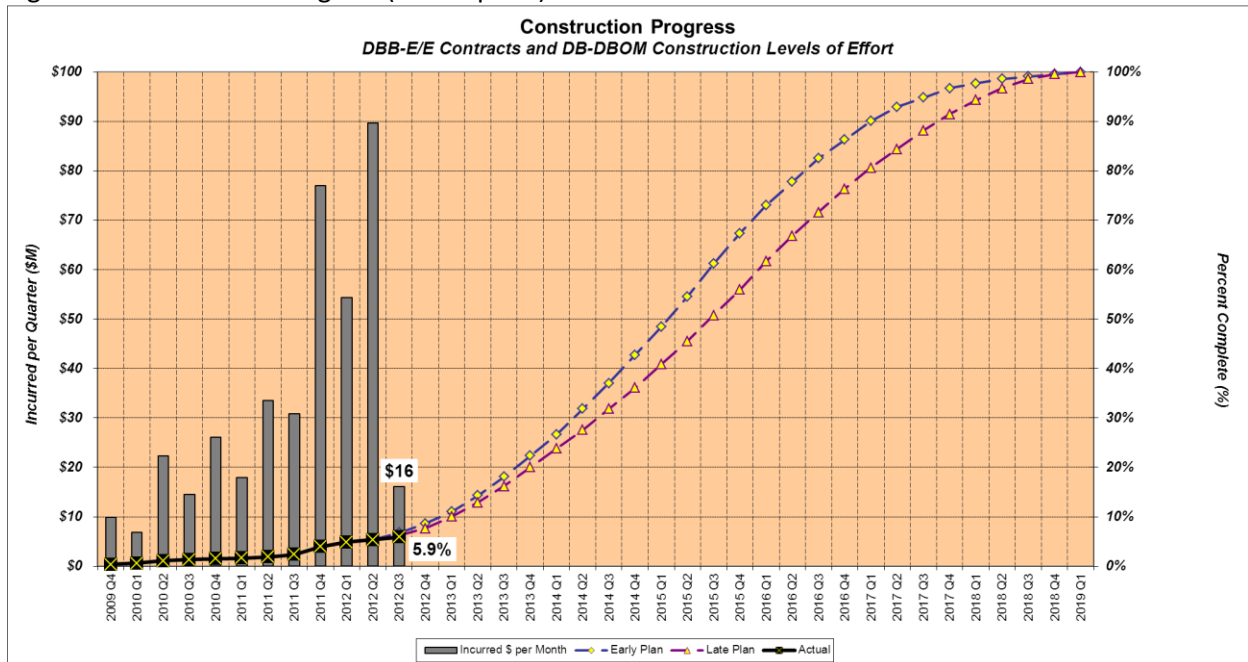
Overall project progress through September 2012 is 9.3%, versus the early plan of 9.8% and the late plan of 9.1%, as shown in Figure 1 below. Overall project progress is based on the weighted value progress of the individual construction and design contracts (Design-Build [DB]; Design-Bid-Build [DBB]; Design-Build-Operate-Maintain [DBOM]; Elevator/Escalator Manufacture-Install-Test-Maintain [MIM]; Final Design [FD]; and DB-DBOM design levels of effort). The progress percentage calculation excludes the value of City and non-design consultant labor.

Figure 1. Overall Project Progress (% Complete)



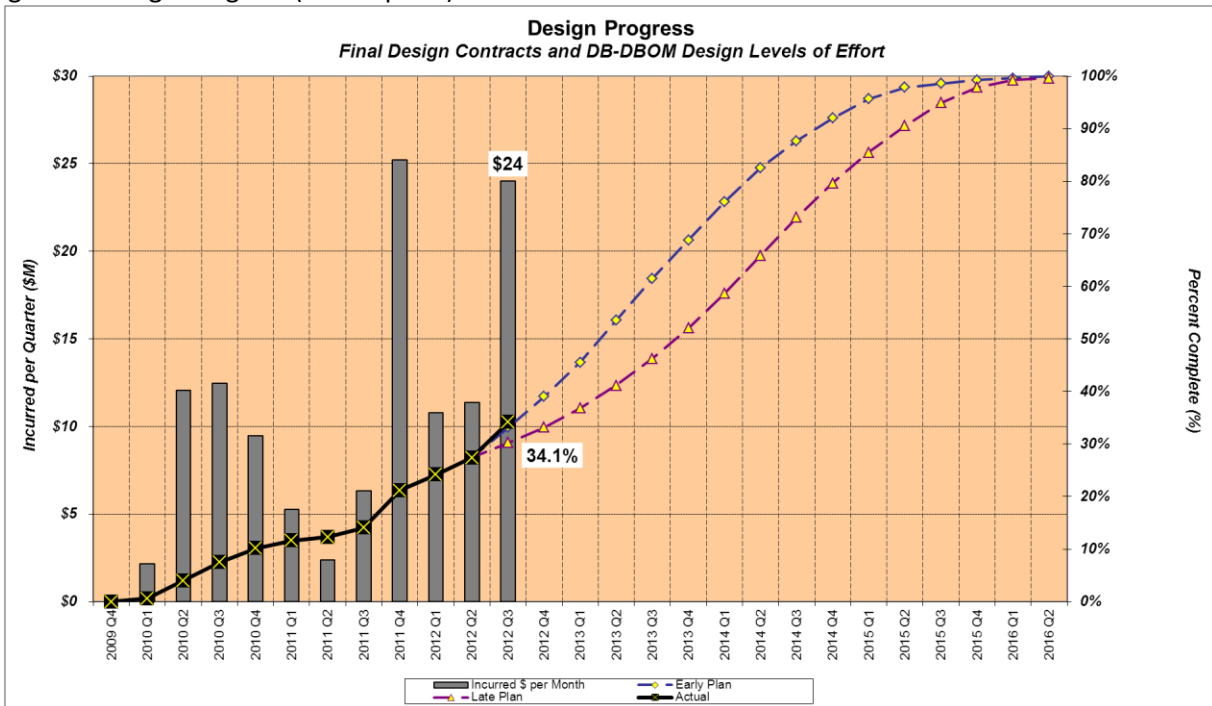
Overall construction progress through September 2012 is 5.9%, versus the early plan of 6.3% and the late plan of 6.7%, as shown in Figure 2 below. Overall construction progress is based on the weighted average progress of the individual DBB and E/E MIM construction contracts and the DB-DBOM construction levels of effort. The construction progress percentage excludes the value of consultant construction engineering and inspection (CE&I) services.

Figure 2. Construction Progress (% Complete)



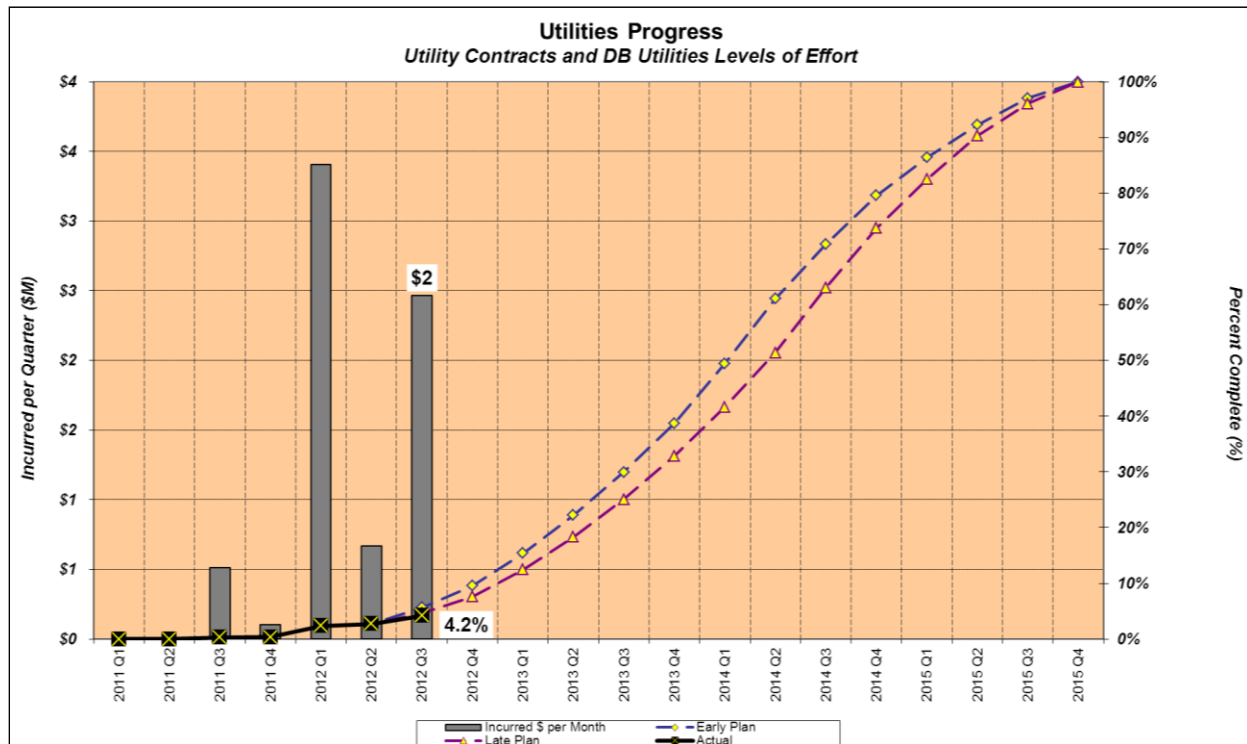
Overall design progress through September 2012 is 34.1%, versus the early plan of 33.2% and the late plan of 30.3%, as shown in Figure 3 below. Overall design progress is based on the weighted average progress of the individual FD contracts and the design levels of effort of the DB and DBOM construction contracts. The design progress percentage excludes the value City or non-design consultant labor.

Figure 3. Design Progress (% Complete)



Overall utilities progress through September 2012 is 4.2%, versus the early plan of 5.7% and the late plan of 4.7%, as shown in Figure 4 below. Overall utilities progress is based on the weighted average progress of the DB utilities levels of effort.

Figure 4. Utilities Progress (% Complete)



1.6 Financial Status Overview

1.6.1 Project Budget

The total incurred cost (actual expenditures plus approved requests for payment) as of September 28 was \$508.8 M, or 12.0% of the FFGA Project Baseline Budget (excluding contingencies and finance charges) of \$4.236 B.

The total committed amount as of September 28 was \$2.171 B, or 51.3% of the FFGA Project Baseline Budget (including awarded design contract allowances of \$5.0 M, but excluding uncommitted contingencies and finance charges).

The total amount Authorized for Expenditure (AFE) via Notices to Proceed (NTPs) was \$854.7 M, or 20.4% of the FFGA Project Baseline Budget (excluding uncommitted contingencies and finance charges). To date, 21 of 43 planned design, construction and specialty consultant contracts have been awarded.

The Baseline Total Contingency Budget is \$644 M. The current Total Available Contingency is \$717.5 M. Cost contingency details are presented in Section 2.1 of this report, along with a discussion of contingency management and the proposed Cost Contingency Drawdown Chart in Section 2.4.

1.6.2 Project Funding

No GET Surcharge revenue was received in September. See Section 2.2 for project funding details.

1.6.3 FFGA Status

The FFGA request was submitted to the FTA on June 29. HART has completed submission of FFGA readiness documents and continues to work with FTA staff to finalize the FFGA document.

1.7 HART Board of Directors Meetings and Events in October-November**HART Finance Committee Meeting**

Thursday, October 4, 8:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Transit-Oriented Development (TOD) Committee Meeting

Thursday, October 18, 8:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Board of Directors Meeting

Thursday, October 18, 9:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Finance Committee Meeting

Thursday, November 8, 8:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Project Oversight Committee (POC) Meeting

Thursday, November 8, 9:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Transit-Oriented Development (TOD) Committee Meeting

Thursday, November 15, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Audit/Legal Matters Committee Meeting

Thursday, November 15, 9:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Board of Directors Meeting

Thursday, November 15, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Finance Committee Meeting

Thursday, November 29, 8:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

2 PROJECT BUDGET AND SCHEDULE

2.1 Project Budget

The FFGA Project Baseline Budget is \$5.122 B, which includes \$644 M in allocated and unallocated contingencies and \$173 M in finance charges. Reported budget amounts relate to the FTA New Starts project and exclude \$42 M in FTA-ineligible financing costs that will be incurred beyond FFGA completion.

The total committed amount as of September 28 was \$2.171 B, (including \$5.0 M in awarded design contract allowances), or 51.3% of the committed FFGA Baseline Project Budget excluding \$4.231 B in uncommitted contingencies and finance charges).

In September, the project incurred \$16.1 M in costs (actual expenditures plus approved requests for payment as of the cost data date of September 28). This brought the total incurred cost to date to \$508.8 M, or 12.0% of the Project Budget.(excluding uncommitted contingencies and finance charges).

The total amount Authorized for Expenditure (AFE) via Notices to Proceed (NTPs) was \$854.7 M, or 20.4% of the FFGA Project Budget (excluding uncommitted contingencies and finance charges).

To date, 21 of the 43 planned design, construction and specialty consultant contracts have been awarded. A re-packaging of the contracts has decreased the total number of planned design, construction and specialty consultant contracts from 49 to 43.

The Baseline Project Contingency Budget is \$644 M. The current Total Available Contingency Budget is \$717.5 M, as shown in the detailed project cost report in Figure 10 starting on page 17. This is comprised of the following elements:

- 1) Allocated contract contingency of \$547.6 M. This is contingency allocated to FTA Standard Cost Categories (SCC) for various pieces of work.
- 2) Allowances for design contracts (\$5M). Allowances are committed contingency amounts.
- 3) Known Changes (\$63M). This contingency is for changes that were identified during development of the Project Budget, but remain subject to final negotiation and change order execution.
- 4) Unallocated Contingency (\$101.9M). This is a general contingency fund not allocated to specific work.

The FFGA Baseline Project Contingency Budget does not include known changes not yet negotiated or finalized at the time of the Bottom-Up Estimate (BUE). These known change amounts are budgeted in the BUE base contract values, but classified as contingency in order to process all changes using a consistent methodology for contingency tracking and management. Once a change order is executed, budget is transferred from contingency to the respective cost code. The detailed project cost report by SCC Level 2 presented in Figure 10 on page 17 itemizes this known change amount, bringing the Total Available Budgeted Contingency for all 4 contingency categories to \$717.5 M.

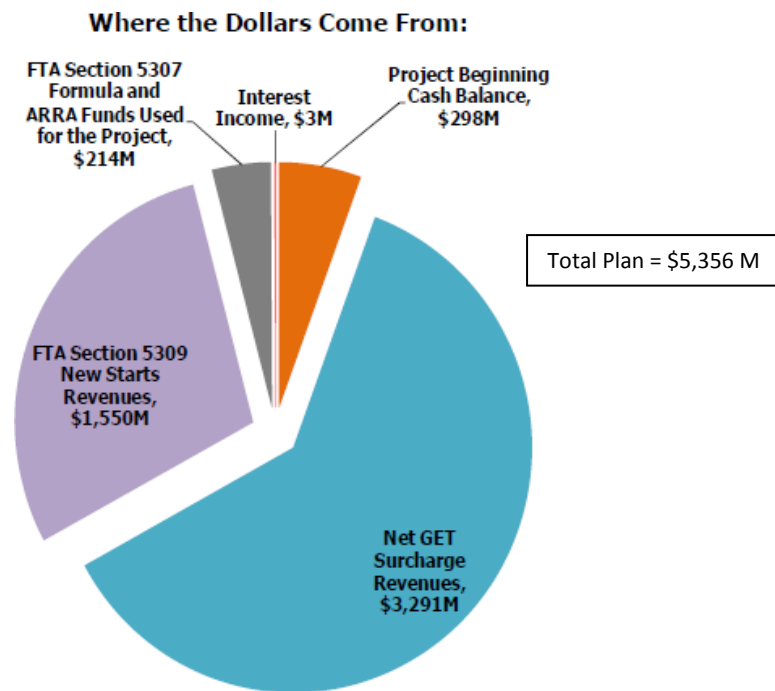
HART's proposed cost contingency drawdown plan is under FTA review, as discussed in Section 2.4 and presented in Figure 12 on page 25. As of this reporting period, no change orders were executed that reduced the \$644 M.

2.2 Project Revenue and Costs

Total cash received to date since the start of Preliminary Engineering is \$892.2 M. The FFGA Financial Plan (Table A-1. *Capital Plan Cash Flows*) projects Net GET Surcharge Revenues of \$684 M during the period of FY2010-2013. To date, \$527 M, or 77% of the projected \$684 M, has been received, with three quarters remaining in FY2013. See Figure 5 on the next page for the sources of project funding and Figure 6 for planned funding compared to funding received. Project revenue is presented against costs incurred as of September 28 in Figure 7 on page 12.

Project costs are detailed in Figure 8, Figure 9 and Figure 10 on pages 13 through 17. Cost reports are generated from the HART Contract Management System (CMS). Figure 8 presents costs for each contract by HART Contract Packaging Plan (CPP) contract number. Figure 9 and Figure 10 on pages 16 and 17 present summarized and detailed project costs by FTA Standard Cost Code (SCC).

Figure 5. Project Funding Sources (YOE \$M)



Source: FFGA Financial Plan, p. 2-1

Figure 6. Planned Project Funding Compared to Funding Received

Funding Source	Planned ¹ (\$YOE M)	Received to Date (\$M)
FTA Section 5307 Formula Funds, including American Recovery and Reinvestment Act (ARRA) funds	214	4
Interest Income on Cash Balance	3	1
Beginning Project Cash Balance ²	298	298
FTA Section 5309 New Starts Revenue	1,550	62
Net General Excise Tax (GET) Surcharge revenues FY10-FY23	3,291	527
Total	5,356	892

¹ FFGA Financial Plan, Table A-1 *Capital Plan Cash Flows*.² Beginning Project Cash Balance at Entry into Preliminary Engineering (PE) on October 16, 2009 (the FTA Project start date) = GET, investment and miscellaneous income minus pre-PE expenditures.

Figure 7. Project Revenue versus Incurred Costs

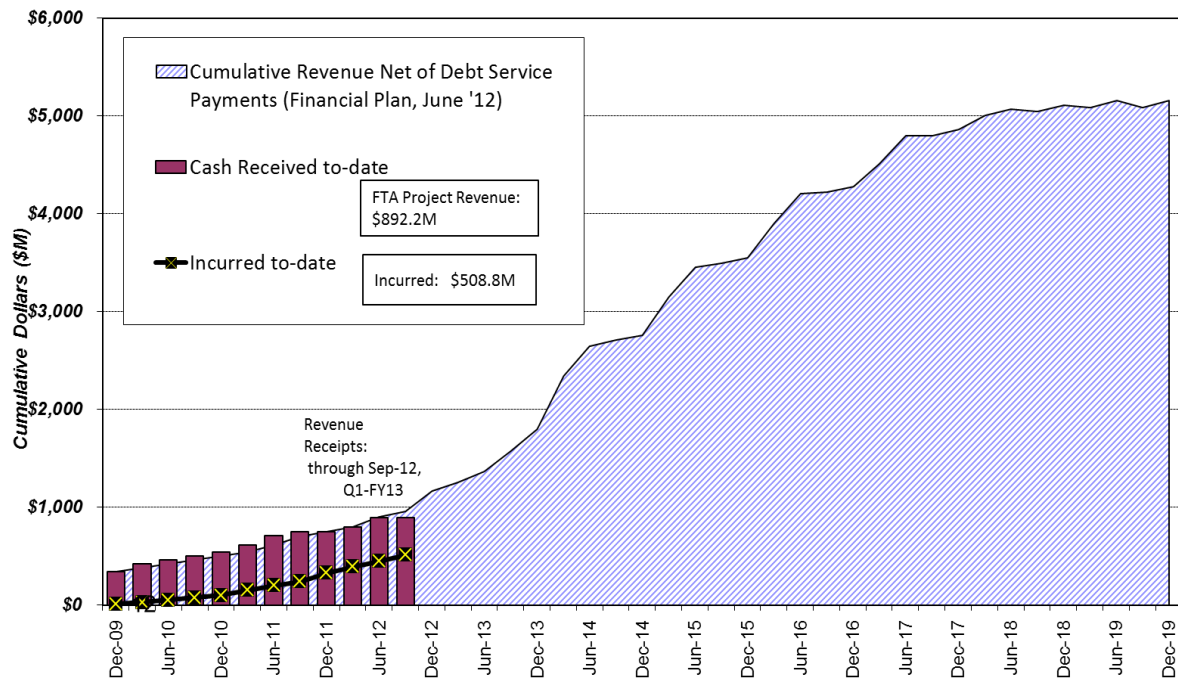
Project Revenue vs. Incurred

Figure 8. Project Costs by Contract

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

August

Costs Reported as of Month Ending September 2012

Project Monthly Cost Report by Contract - One Line Summary

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CPP No	Title	A		B		C=A+B		D		E		F		G		H=C+G		INCURRED
		Baseline	Transfers	BUDGET	Transfers	Current	Current	COMMITTED	Current	AFE	AFE**	Changes ID#***	Est. At Completion****	Variance	Incurred To Date			
10-80 SCC COSTS																		
ART	Project/Made ART	5,000,000	0	5,000,000	0	5,000,000	0	0	0	0	0	0	0	5,000,000	0	0	0	0
CCH-100	HartCity and County of Honolulu	15,348,444	0	15,348,444	15,348,443	15,348,444	15,348,443	0	0	0	0	0	0	15,348,444	0	0	15,348,443	0
CCH-101	HART City Dept of BFS	1,107,273	0	1,107,273	105,092	1,107,273	105,092	0	0	0	0	0	0	1,107,273	0	0	0	0
CCH-102	HART City DDC Land Division	1,463,636	0	1,463,636	256,201	1,463,636	256,201	0	0	0	0	0	0	1,463,636	0	0	0	0
CCH-107	HART City Corporation Counsel (COR)	8,009,092	0	8,009,092	816,253	8,009,092	816,253	0	0	700,000	700,000	0	0	8,009,092	0	0	0	0
CCH-108	Board of Water Supply (BWS)	928,182	0	928,182	0	928,182	0	0	0	0	0	0	0	928,182	0	0	0	0
DB-120	West Oahu/Farrington Hwy, Guideway	542,135,145	2,670,000	544,805,145	515,451,270	544,805,145	515,451,270	271,885,336	27,551,387	271,885,336	27,551,387	0	544,805,145	0	0	155,906,922	0	155,906,922
DB-200	Maintenance & Storage Facility, DB	222,954,906	0	222,954,906	195,238,000	222,954,906	195,238,000	128,288,734	30,675,989	128,288,734	30,675,989	0	222,954,906	0	0	25,139,821	0	25,139,821
DB-320	Kamamete Hwy, Guideway, DB	371,929,117	220,883	372,150,000	372,150,000	372,150,000	372,150,000	162,166,081	15,981	162,166,081	15,981	0	372,150,000	0	0	72,106,575	0	72,106,575
DBB-170	West Oahu Station Group Contr.	48,745,033	0	48,745,033	0	48,745,033	0	0	0	0	0	0	48,745,033	0	0	0	0	0
DBB-270	Farrington Hwy, Station Group Contr.	45,003,952	0	45,003,952	0	45,003,952	0	0	0	0	0	0	45,003,952	0	0	0	0	0
DBB-275	Pearl Highlander Pkg. St./B/C Contr.	155,591,280	0	155,591,280	0	155,591,280	0	0	0	0	0	0	155,591,280	0	0	0	0	0
DBB-370	Kamamete Hwy, Station Grp. Contr.	68,815,238	0	68,815,238	0	68,815,238	0	0	0	0	0	0	68,815,238	0	0	0	0	0
DBB-470	Airport Station Group Contr.	63,346,867	0	63,346,867	0	63,346,867	0	0	0	0	0	0	63,346,867	0	0	0	0	0
DBB-505	Airport Section Utility Contr.	24,627,701	0	24,627,701	0	24,627,701	0	0	0	0	0	0	24,627,701	0	0	0	0	0
DBB-510	City Center Section Utility Contr.	63,025,091	0	63,025,091	0	63,025,091	0	0	0	0	0	0	63,025,091	0	0	0	0	0
DBB-520	Airport City Center Guideway, Contr.	682,463,152	0	682,463,152	0	682,463,152	0	0	0	0	0	0	682,463,152	0	0	0	0	0
DBB-570	Dillingham Station Group Contr.	59,400,065	0	59,400,065	0	59,400,065	0	0	0	0	0	0	59,400,065	0	0	0	0	0
DBB-575	Kakako Station Group Contr.	73,702,023	0	73,702,023	0	73,702,023	0	0	0	0	0	0	73,702,023	0	0	0	0	0
DBB-600	UH/NO Pihikoo/Plh Finishes Contr.	13,059,190	0	13,059,190	0	13,059,190	0	0	0	0	0	0	13,059,190	0	0	0	0	0
DBO M-920	Core System Design Build O&M	579,648,486	0	579,648,486	573,782,793	579,648,486	573,782,793	37,918,391	5,611,907	37,918,391	5,611,907	0	579,648,486	0	0	21,588,803	0	21,588,803
FD-140	West Oahu Station Group Final Design	7,882,312	(1,808,200)	6,074,112	6,074,112	6,074,112	6,074,112	2,391,177	0	2,391,177	0	0	6,074,112	0	0	0	0	0
FD-240	Farrington Highway, Station Group FD	8,137,060	(58,443)	8,078,617	7,949,602	8,078,617	7,949,602	7,724,805	129,015	7,724,805	129,015	0	8,078,617	0	0	4,953,260	0	4,953,260
FD-245	Pearl Highlander Pkg. St./B/C FD	17,916,058	0	17,916,058	0	17,916,058	0	0	0	0	0	0	17,916,058	0	0	0	0	0
FD-340	Kamamete Hwy, Station Group-R2 FD	8,702,592	0	8,702,592	0	8,702,592	0	0	0	0	0	0	8,702,592	0	0	0	0	0
FD-430	Airport Sect Guideway/Utility FD	39,307,052	(2,054,106)	37,252,946	37,252,946	37,252,946	37,252,946	31,066,791	275,000	31,066,791	275,000	0	37,252,946	0	0	10,906,397	0	10,906,397
FD-440	Airport Station Group FD	10,177,365	0	10,177,365	0	10,177,365	0	0	0	0	0	0	10,177,365	0	0	0	0	0

* Current Committed = Original Contract + CCO/Amendment

** AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

*** Changes Identified= Pending + Probable + Potential Changes

**** Est. At Completion = Original Contract + CCO/Amendments + Pending Changes + Potential Changes (Adjustments)-Uncommitted

m_low_price_in.thy_contract_one_line

* Current Committed = Original Contract + CCO/Amendment

** AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

*** Changes Identified= Pending + Probable + Potential Changes

**** Est. At Completion = Original Contract + CCO/Amendments + Pending Changes + Potential Changes (Adjustments)+ Uncommitted

m_cw_pmoc_monthly_contract_one_line



Costs Reported as of Month Ending September 2012

August Project Monthly Cost Report by Contract - One Line Summary

Page: 2 of 3

CPP No	Title	A		B		C=A-B		D		E		F		G		H=C-G		I
		Baseline	Budget	Transfers	Current	Current	Current	Current	Current	AFE	AFE**	Changes ID#***	Est. At Completion***	Variance	Incurred To Date			
10-80 SCC COSTS																		
FD-530	City Center Guideway/Utilities FD	48,266,165	(5,917,945)		42,348,220	42,348,220	42,348,220	537,870	0	0	42,348,220	0	0	0	0	0	0	0
FD-540	Dillingham Station (S) FD	10,615,487	0		10,615,487	0	0	0	0	0	10,615,487	0	0	0	0	0	0	0
FD-545	Kaliakia Station (S) Final Design	10,864,191	0		10,864,191	0	0	0	0	0	10,864,191	0	0	0	0	0	0	0
FD-600	UHAC Reg-Hoopili Station Finalist FD	2,465,890	0		2,465,890	0	0	0	0	0	2,465,890	0	0	0	0	0	0	0
HRT-200	HART Labor	74,522,726	0		74,522,726	4,265,543	0	-10,400,000	74,522,726	0	-10,400,000	74,522,726	0	4,265,543	0	4,265,543	0	4,265,543
HRT-201	HART OCC	48,473,636	(3,995,230)		44,478,406	56,370	0	0	0	0	44,478,406	0	0	56,370	0	56,370	0	56,370
M-19-30	Elevenia & Escalator Installation/Maint	54,721,186	0		54,721,186	0	0	0	0	0	54,721,186	0	0	0	0	0	0	0
M-180	West Oahu/Farrington Station CEI	14,276,861	0		14,276,861	0	0	0	0	0	14,276,861	0	0	0	0	0	0	0
M-180	Kamehameha Hwy Station Grp R2 CEI	7,178,933	0		7,178,933	0	0	0	0	0	7,178,933	0	0	0	0	0	0	0
M-185	Pearl Highlands Garage and Ramp CEI	9,568,589	0		9,568,589	0	0	0	0	0	9,568,589	0	0	0	0	0	0	0
M-185	Allopi Station Group CEI	7,120,934	0		7,120,934	0	0	0	0	0	7,120,934	0	0	0	0	0	0	0
M-185	Allopi City Center Utilities CEI	10,097,731	0		10,097,731	0	0	0	0	0	10,097,731	0	0	0	0	0	0	0
M-185	Allopi City Center Guideway CEI	36,591,026	0		36,591,026	0	0	0	0	0	36,591,026	0	0	0	0	0	0	0
M-185	Dillingham/Kaliakia Station Grp CEI	10,254,773	0		10,254,773	0	0	0	0	0	10,254,773	0	0	0	0	0	0	0
M-185	UHAC Reg-Hoopili Station CEI	1,099,449	0		1,099,449	0	0	0	0	0	1,099,449	0	0	0	0	0	0	0
M-190	Program Mgt Support/Commit(PMS C-1)	20,000,000	0		20,000,000	36,727,162	0	-16,027,162	20,000,000	0	-16,027,162	20,000,000	0	20,486,343	0	20,486,343	0	20,486,343
M-190	Program Mgt Support/Commit(PMS C-2)	31,304,349	0		31,304,349	33,376,897	0	-1,576,897	31,304,349	0	-1,576,897	31,304,349	0	5,511,858	0	5,511,858	0	5,511,858
M-190	MMS-16 Gen Engg Commit EBI/PE	76,910,382	0		76,910,382	79,171,852	0	-2,261,470	76,910,382	0	-2,261,470	76,910,382	0	75,704,084	0	75,704,084	0	75,704,084
M-190	MMS-16 Gen Engg Commit FDC/Construct	310,828,630	0		310,828,630	150,000,000	0	-160,828,630	310,828,630	0	-160,828,630	310,828,630	0	62,920,782	0	62,920,782	0	62,920,782
M-191	HCDT Traffic Mgmt Consultant	1,057,391	0		1,057,391	1,600,000	0	-592,609	1,057,391	0	-592,609	1,057,391	0	173,401	0	173,401	0	173,401
M-191	HCDT Coordination Consultant/COFH	10,521,165	0		10,521,165	12,000,000	0	-1,478,835	10,521,165	0	-1,478,835	10,521,165	0	4,062,644	0	4,062,644	0	4,062,644
M-191	HCDT Coordination Consultant/KHG	8,695,652	0		8,695,652	10,000,000	0	-1,304,348	8,695,652	0	-1,304,348	8,695,652	0	16,088	0	16,088	0	16,088
M-192	HCDT Coord. Commit Airport	6,471,305	0		6,471,305	12,000,000	0	-5,528,695	6,471,305	0	-5,528,695	6,471,305	0	257,362	0	257,362	0	257,362
M-192	HCDT Coordination Consultant/CEI	4,314,782	0		4,314,782	0	0	0	4,314,782	0	0	4,314,782	0	0	0	0	0	0
M-192	Hawaii Dept of Transportation (HCDT)	1,352,915	(683,368)		669,547	100,000	0	-569,547	669,547	0	-569,547	669,547	0	94,045	0	94,045	0	94,045
M-192	HCDT Labor - Airport Group	0	100,000		100,000	0	0	0	100,000	0	0	100,000	0	0	0	0	0	0
M-193	HCDT Site SQA Manager & Consultant	1,272,174	583,368		1,855,542	0	0	0	1,855,542	0	0	1,855,542	0	0	0	0	0	0

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** AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

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**** Est. At Completion = Original Contract + CCO/Amendments + Pending Changes + Potential Changes (Adjustments)+ Uncommitted

Costs Reported as of Month Ending: September 2012

August **Project Monthly Cost Report by Contract - One Line Summary**

Page: 3 of 3

CPP No	Title	A		B		C-A-B		D	E		F		G		H-C-G	
		Baseline	Budget	Transfers	Current	Current	Committed		AFE	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date		
10-80 SCC COSTS																
MM-935	Real Estate Consultant	3,200,000	0	0	3,200,000	3,000,000	804,345	0	3,200,000	0	3,200,000	0	160,019			
MM-940	Karevo Consultant	500,000	500,000	500,000	1,000,000	1,000,000	198,564	0	1,000,000	0	1,000,000	0	33,713			
MM-945	On-Call Contractor	889,565	0	889,565	0	0	0	0	889,565	0	889,565	0	0			
MM-946	On-Call Remnant Removal Contractor	2,608,695	0	2,608,695	3,000,000	1,000,000	-391,304	0	2,608,695	0	2,608,695	0	0			
MM-950	OSCE Consultant	2,000,000	0	2,000,000	1,250,000	437,500	0	2,000,000	0	2,000,000	0	115,625				
MM-951	Owner-Controlled Insurance Program	8,333,334	0	8,333,334	0	0	0	0	8,333,334	0	8,333,334	0	0			
MM-952	Insurance Carried by: HART	0	0	0	0	2,350,000	0	0	0	0	0	0	0			
MM-975	LEED Commissioning Services for MSF	243,007	35,623	278,630	278,630	278,630	278,630	0	278,630	0	278,630	0	51,360			
PA-101	Programmatic Agreement/Humanities	610,000	(500,000)	110,000	0	0	0	0	110,000	0	110,000	0	0			
PA-102	Programmatic Agreement/HPC	2,000,000	0	2,000,000	0	0	0	0	2,000,000	0	2,000,000	0	0			
PA-103	Programmatic Agreement/HPC Pathway	750,000	0	750,000	0	0	0	0	750,000	0	750,000	0	0			
ROW	Real Estate / Right-of-Way	194,137,947	0	194,137,947	26,964,512	0	0	0	194,137,947	0	194,137,947	0	26,964,512			
UTIL	Utilities by: Utility Companies	132,689,208	0	132,689,208	24,726,313	2,889,000	-17,701,942	0	132,689,208	0	132,689,208	0	1,933,873			
10-80 SCC COSTS																
		4,305,074,410	(10,907,418)	4,294,166,992	2,166,310,209	978,649,865	9,761,974	4,294,166,992	0	508,757,843	0	508,757,843				
Contract Contingency		541,689,343	10,907,418	552,596,761	4,961,345	(614,249)	57,869,046	552,596,761	0	0	0	0				
Unalloc. Project Contingency		101,871,170	0	101,871,170	0	0	0	101,871,170	0	0	0	0				
Contingency																
		643,560,513	10,907,418	654,467,931	4,961,345	(614,249)	57,869,046	654,467,931	0	0	0	0				
Other FTA Costs		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0	0	0				
FTA PROJECT COSTS																
		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0	0	0				
FTA TOTAL PROJECT COSTS																
		5,121,693,166	0	5,121,693,166	2,171,271,554	978,035,616	67,631,020	5,121,693,166	0	508,757,843	0	508,757,843				
Finance Charges - Ineligible																
		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	0	0				
INELIGIBLE COSTS																
		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	0	0				
Total Project:																
		5,163,693,166	0	5,163,693,166	2,171,271,554	978,035,616	67,631,020	5,163,693,166	0	508,757,843	0	508,757,843				

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Figure 9. Project Costs by SCC – Summary

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending September 2012

Project Monthly Cost Report by SCC Summary

Page: 1 of 1

SCC	Title	A Baseline	B BUDGET Transfers	C=A+B Current	D COMMITTED Current*	E AFE AFE**	F Changes ID'd***	G ESTIMATE AT COMPLETION Est. At Completion****	H=C-G Variance Incurred To Date	I INCURRED
1. Subtotal 10 - 80 SCC Costs										
10	Guideway & Track Elements	1,114,215,147	879,001	1,115,094,148	510,619,562	879,001	9,875,325	1,115,094,148	0	5,252,897
20	Stations, Stops, Terminals, Intermodal	421,804,740	0	421,804,740	0	0	0	421,804,740	0	0
30	Support Facilities/Yards/Shops, Air	92,535,015	0	92,535,015	96,343,664	0	6,035,034	92,535,015	0	2,781,480
40	Sitework & Special Conditions	983,178,121	(62,560,826)	920,617,295	502,099,005	29,932,035	(16,493,472)	920,617,295	0	183,124,647
50	Systems	221,284,301	59,020	221,343,321	205,717,371	59,020	0	221,343,321	0	0
60	ROW, Land, Existing Improvement	197,397,947	277,800	197,675,747	30,242,312	1,002,985	0	197,675,747	0	27,124,531
70	Vehicles	186,829,020	0	186,829,020	189,697,901	0	0	186,829,020	0	0
80	Professional Services	1,087,830,119	(12,607,902)	1,075,222,217	631,590,393	92,061,144	(36,076,078)	1,075,222,217	0	290,473,778
Subtotal:		4,305,074,410	(73,952,907)	4,231,121,503	2,166,310,209	123,994,185	(36,658,591)	4,231,121,503	0	508,757,333
2. NTP										
NTP	Authorized For Expenditure	0	0	0	0	854,655,680	0	0	0	509
Subtotal:		0	0	0	0	854,655,680	0	0	0	509
3. Contingency										
CNTR	Contingency	541,689,343	73,952,907	615,642,250	4,361,345	(614,249)	104,289,611	615,642,250	0	0
PRJ	Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0
Subtotal:		643,560,513	73,952,907	717,513,420	4,361,345	(614,249)	104,289,611	717,513,420	0	0
4. Finance Charges - Eligible										
OTH	Finance Charges	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
Subtotal:		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
FTA TOTAL PROJECT COSTS 5,121,693,166										
		0	0	5,121,693,166	2,174,274,554	978,035,616	67,631,020	5,121,693,166	0	508,757,843
4. Finance Charges -Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Subtotal:		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS										
		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Total Project:		5,163,693,166	0	5,163,693,166	2,174,274,554	978,035,616	67,631,020	5,163,693,166	0	508,757,843

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HART
HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending September 2012

Project Monthly Cost Report SCC Level 2

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SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I	
		Baseline	Transfers	BUDGET	Current	COMMITTED	A/E	Current*	A/E**	Changes ID'd***	Est. At Completion***	Variance	Incurred To Date						
1. Subtotal 10 - 80 SCC Costs																			
10	Guideway & Track Elements	1,115,094,147	879,001	1,115,094,148	510,819,562			9,875,925	1,115,094,148	0		5,252,897							
10.04	Guideway: Aerial Structure	1,022,380,671	741,273	1,023,121,944	434,840,724		741,273		1,023,121,944	0		5,252,897							
10.08	Guideway: Retained Cut or Fill	7,492,944		7,492,944	6,436,256		0		7,492,944	0									
10.09	Track: Direct Fixation	79,347,205	137,728	79,484,933	65,144,708		137,728	9,875,925	79,484,933	0									
10.11	Track: Ballasted	3,293,724	0	3,293,724	2,697,875		0		3,293,724	0									
10.12	Track: Special (Switches, turnouts)	1,700,603	0	1,700,603	1,500,000		0		1,700,603	0									
20	Stations (Stops, Terminals, Interiors)	421,804,740	0	421,804,740	0		0		421,804,740	0									
20.01	A-grade station, stop, shelter,...	6,111,332	0	6,111,332	0		0		6,111,332	0									
20.02	Aerial Station, stop, shelter, mail	294,563,457	0	294,563,457	0		0		294,563,457	0									
20.06	Automobile parking multi-story str	66,408,765	0	66,408,765	0		0		66,408,765	0									
20.07	Elevators, Escalators	54,721,186	0	54,721,186	0		0		54,721,186	0									
30	Support Facilities: Yards, Shops, A...	92,535,015	0	92,535,015	96,343,664		7,586,793	6,035,034	92,535,015	0		2,781,480							
30.02	Light Maintenance Facility	7,591,888	0	7,591,888	7,586,793		0		7,591,888	0									
30.03	Heavy Maintenance Facility	38,099,138	0	38,099,138	37,857,030		0		38,099,138	0		2,657,874							
30.04	Storage or Maintenance of Way Bul	7,797,460	0	7,797,460	7,795,910		0		7,797,460	0		73,606							
30.05	Yard and Track	39,046,529	0	39,046,529	43,163,931		0	6,035,034	39,046,529	0		50,000							
40	Sitework & Special Conditions	983,178,121	(62,560,826)	920,617,295	502,099,005		175,214	(16,493,472)	920,617,295	0		183,124,647							
40.01	Demolition, Clearing, Earthwork	29,980,158	125,214	30,105,372	8,022,358		175,214	0	30,105,372	0		6,614							
40.02	Site Utilities, Utility Relocation	299,449,756	1,847,791	301,297,547	94,431,027		1,897,791	(16,174,942)	301,297,547	0		5,174,253							
40.03	Haz. mat'l, contain'd soil removal	9,199,237	0	9,199,237	3,000,000		50,000	(375,219)	9,199,237	0									
40.04	Environmental Mitigation	26,979,122	0	26,979,122	16,540,808		50,000	2,688	26,979,122	0		3,534,444							
40.05	Site structures, retaining walls,	7,998,960	0	7,998,960	8,902,848		50,000	0	7,998,960	0									
40.06	Pedestrian/bike access/landscaping	41,073,897	59,400	41,127,297	5,049,834		103,400	0	41,127,297	0									
40.07	Auto, bus, van accessways	181,979,367	790,400	182,769,767	35,558,916		840,400		182,769,767	0		507,888							
40.08	Temporary Facilities/Indirect Cost	386,517,624	(62,377,631)	324,139,993	330,593,216		27,175,230	64,000	321,139,993	0		173,901,448							
50	Systems	221,284,301	59,020	221,343,321	205,717,371		0	0	221,343,321	0									
50.01	Train control and signals	81,982,556	0	81,982,556	82,679,000		0	0	81,982,556	0									
50.02	Traffic signals and crossing prot.	10,458,226	0	10,458,226	0		0	0	10,468,226	0									
50.03	Traction power supply: substation	29,500,926	59,020	29,559,946	31,034,688		59,020		29,559,946	0									
50.04	Traction power distribution: cat	32,878,150	0	32,878,150	25,080,619		0	0	32,878,150	0									
50.05	Communications	53,691,339	0	53,691,339	54,251,174		0	0	53,691,339	0									
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**** Changes Identified= Pending + Probable + Potential Changes																			
***** Est. At Completion = Original Contract + CCO/Amendments + Pending Changes + Potential Changes (Adjustments)+Uncommitted																			
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Costs Reported as of Month Ending September 2012
Project Monthly Cost Report SCC Level 2

Page: 2 of 3

SCC	Title	A	B	C=A+B	D	E	F	G	H=C-G	I
		Baseline	BUDGET Transfers	Current	COMMITTED Current *	AFE**	Changes ID#***	Est. At Completion****	Variance	Incurred To Date
1. Subtotal 10 - 80 SCC Costs										
50	Systems	221,284,301	59,020	221,343,321	205,717,371		0	221,343,321	0	0
50.06	Fare collection system and equipment	9,153,277	0	9,153,277	9,218,039	0	0	9,159,277	0	0
50.07	Central Control	3,613,827	0	3,613,827	3,453,791	0	0	3,613,827	0	0
60	ROW, Land, Existing Improvement	197,397,347	277,800	197,675,147	30,242,312		0	197,675,147	0	27,124,531
60.01	Purchase or lease of real estate	179,360,664	0	179,360,664	25,576,526	725,185	0	179,360,664	0	25,576,526
60.02	Relocation of existing households	18,037,283	277,800	18,315,083	4,665,786	1,002,985	0	18,315,083	0	1,548,006
70	Vehicles	186,829,020	0	186,829,020	189,687,901		0	186,829,020	0	0
70.01	Light Rail	166,721,386	0	166,721,386	171,122,353	0	0	166,721,386	0	0
70.06	Non-revenue vehicles	14,346,923	0	14,346,923	13,026,548	0	0	14,346,923	0	0
70.07	Spare parts	5,760,711	0	5,760,711	5,549,000	0	0	5,760,711	0	0
80	Professional Services	1,087,830,119	(12,807,902)	1,075,022,217	631,590,393		(36,076,078)	1,075,222,217	0	230,473,778
80.01	Preliminary Engineering	94,055,262	1,761,410	95,816,672	109,866,455	13,976,639	15,981	95,836,672	0	98,621,485
80.02	Final Design	228,321,632	(19,846,932)	208,474,640	99,856,956	420,123	312,000	208,474,640	0	12,969,306
80.03	Project Management Design & Cons	363,849,768	3,284,634	367,134,402	283,203,664	63,004,464	(17,604,069)	367,134,402	0	151,871,400
80.04	Const. Admin. & Management	199,656,728	523,200	200,179,928	35,039,900	621,480	0	200,179,928	0	20,200,647
80.05	Professional Liability & other	46,549,724	(3,995,230)	42,554,494	1,306,370	98,280	(10,400,000)	42,554,494	0	171,395
80.06	Legal; Permits/Review Fees etc.	67,641,005	145,019	67,786,024	37,015,508	8,431,538	(8,400,000)	67,786,024	0	5,086,098
80.07	Surveys, Testing, Investigation, I	21,759,336	5,500,057	27,259,393	17,332,721	98,280	0	27,259,393	0	1,313,435
80.08	Start up	65,996,664	0	65,996,664	47,968,809	98,280	0	65,996,664	0	239,412
NT	Authorized For Expenditure	0	0	0	0	0	0	0	0	509
NTP	Notice To Proceed	0	0	0	0	854,655,680	0	0	0	509
Subtotal:		4,305,074,410	(73,352,907)	4,231,721,503	2,166,310,209	978,649,865	(36,638,531)	4,231,721,503	0	508,757,843
2. Contingency										
CNTR	Contingency	541,689,343	73,952,907	615,642,250	4,961,345		104,289,611	615,642,250	0	0
90.02	Allocated Contract Contingency	540,101,329	7,534,087	547,635,416	0	0	57,024,097	547,635,416	0	0
90.03	Allowances	1,588,014	3,373,331	4,961,345	4,961,345	(614,249)	844,949	4,961,345	0	0
90.07	Known Change Contingency	0	63,045,489	63,045,489	0	0	46,420,565	63,045,489	0	0
PRJ	Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0
90.01	Unallocated Project Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0
Subtotal:		643,560,513	73,952,907	717,513,420	4,961,345	(614,249)	104,289,611	717,513,420	0	0
* Current Committed = Original Contract + CCO/Amendment										
** AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)										
*** Changes Identified- Pending + Probable + Potential Changes										
**** Est. At Completion = Original Contract + CCO/Amendments + Pending Changes + Potential Changes (Adjustments)-Uncommitted										

Report M:\C01_03_byscc_pos_data_prompt_5.mnary



Costs Reported as of Month Ending September 2012
Project Monthly Cost Report SCC Level 2

Page: 3 of 3

A											B											C=A+B											D											E											F											G											H=C-G											I																																											
SCC											Title											Baseline											BUDGET Transfers											Current											COMMITTED Current *											AFE											AFE**											Changes ID'd***											ESTIMATE AT COMPLETION Est. At Completion***											Variance											Incurred To Date										
3. Finance Charges - Eligible																																																																																																																																			
OTH											Finance Charges											173,058,243											0											173,058,243											0											0											173,058,243											0											0																																
100.1											Finance Charges: Project-Eligible											173,058,243											0											173,058,243											0											0											173,058,243											0											0																																
Subtotal:											173,058,243											0											173,058,243											0											0											173,058,243											0											0																																											
FTA TOTAL PROJECT COSTS 5,121,693,166																																																																																																																																			
0											5,121,693,166											2,171,271,554											978,035,616											67,631,020											5,121,693,166											0											508,757,843																																																						
4. Finance Charges - Ineligible Costs																																																																																																																																			
FINC											Finance Charges											42,000,000											0											42,000,000											0											0											42,000,000											0											0																																
100.2											FTA Non-Eligible Costs											42,000,000											0											42,000,000											0											0											42,000,000											0											0																																
Subtotal:											42,000,000											0											42,000,000											0											0											42,000,000											0											0																																											
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Total Project:																																																																																																																																			
5,163,693,166											0											5,163,693,166											2,171,271,554											978,035,616											67,631,020											5,163,693,166											0											508,757,843																																											

* Current Committed = Original Contract + CCO/Amendment

** AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

*** Changes Identified= Pending + Probable + Potential Changes

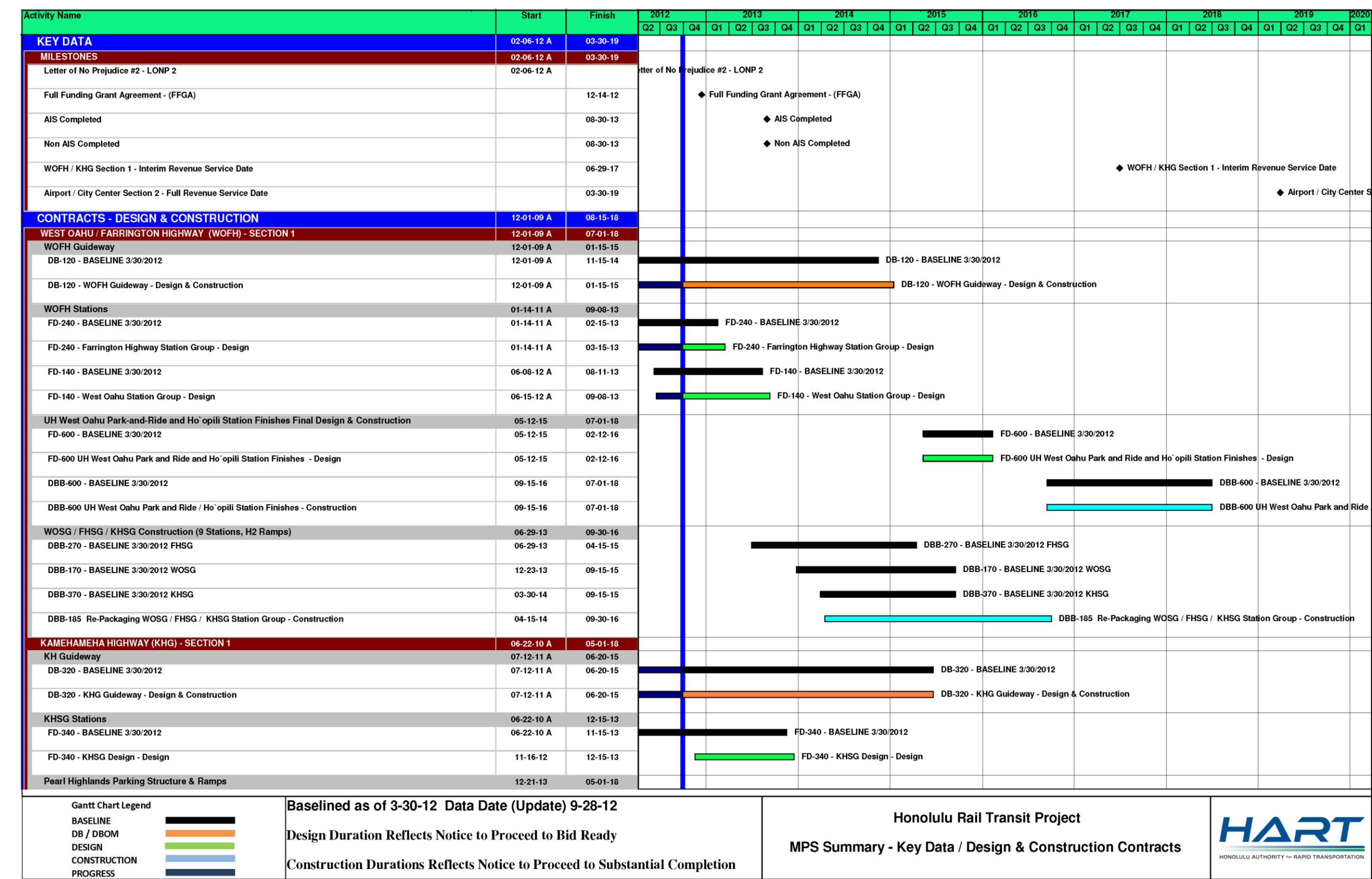
**** Est. At Completion = Original Contract + CCO/Amendments + Pending Changes + Potential Changes (Adjustments)+Uncommitted

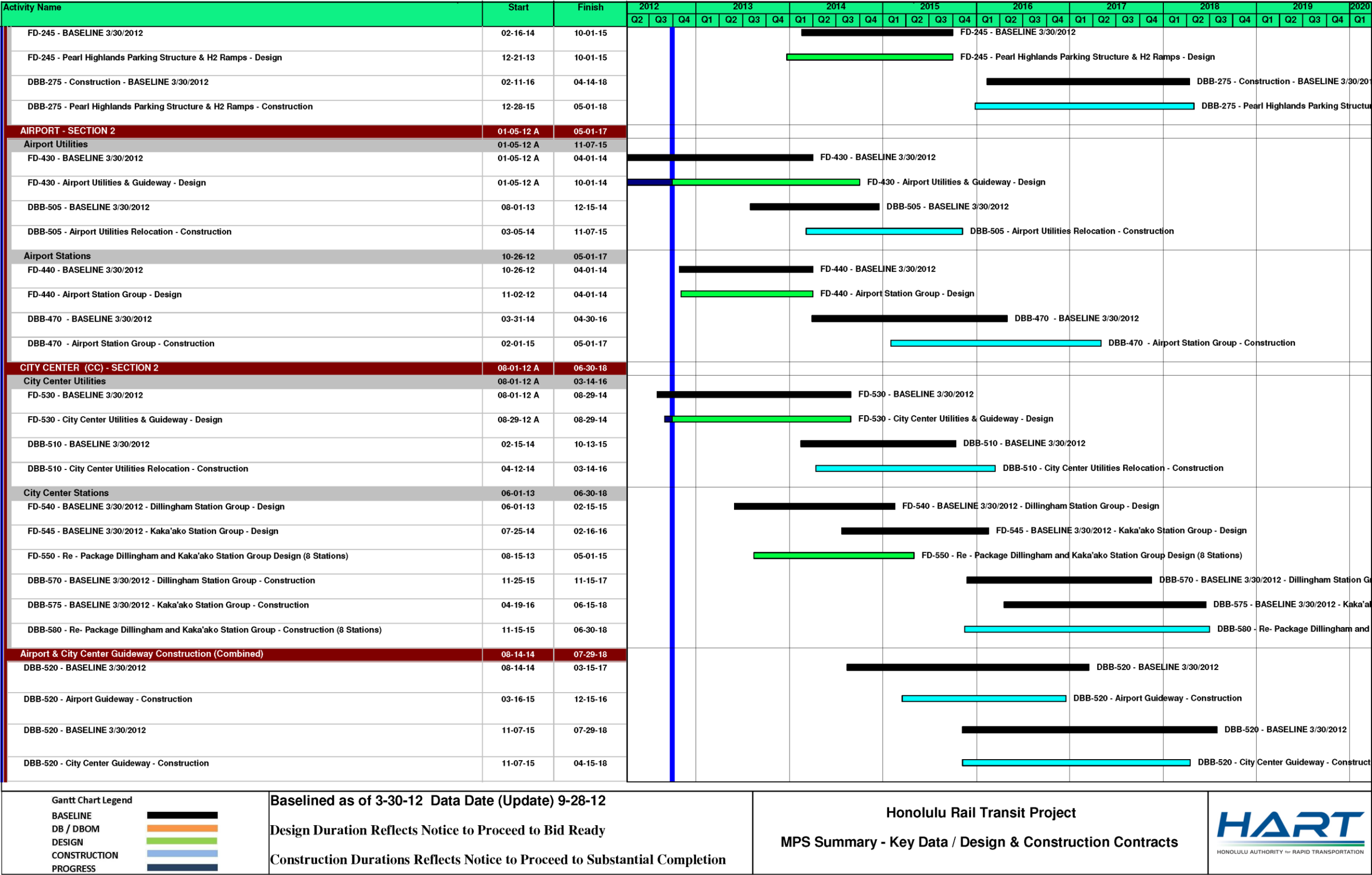
Report: M_CW_03_bySCC_scc_data_prompt_summary

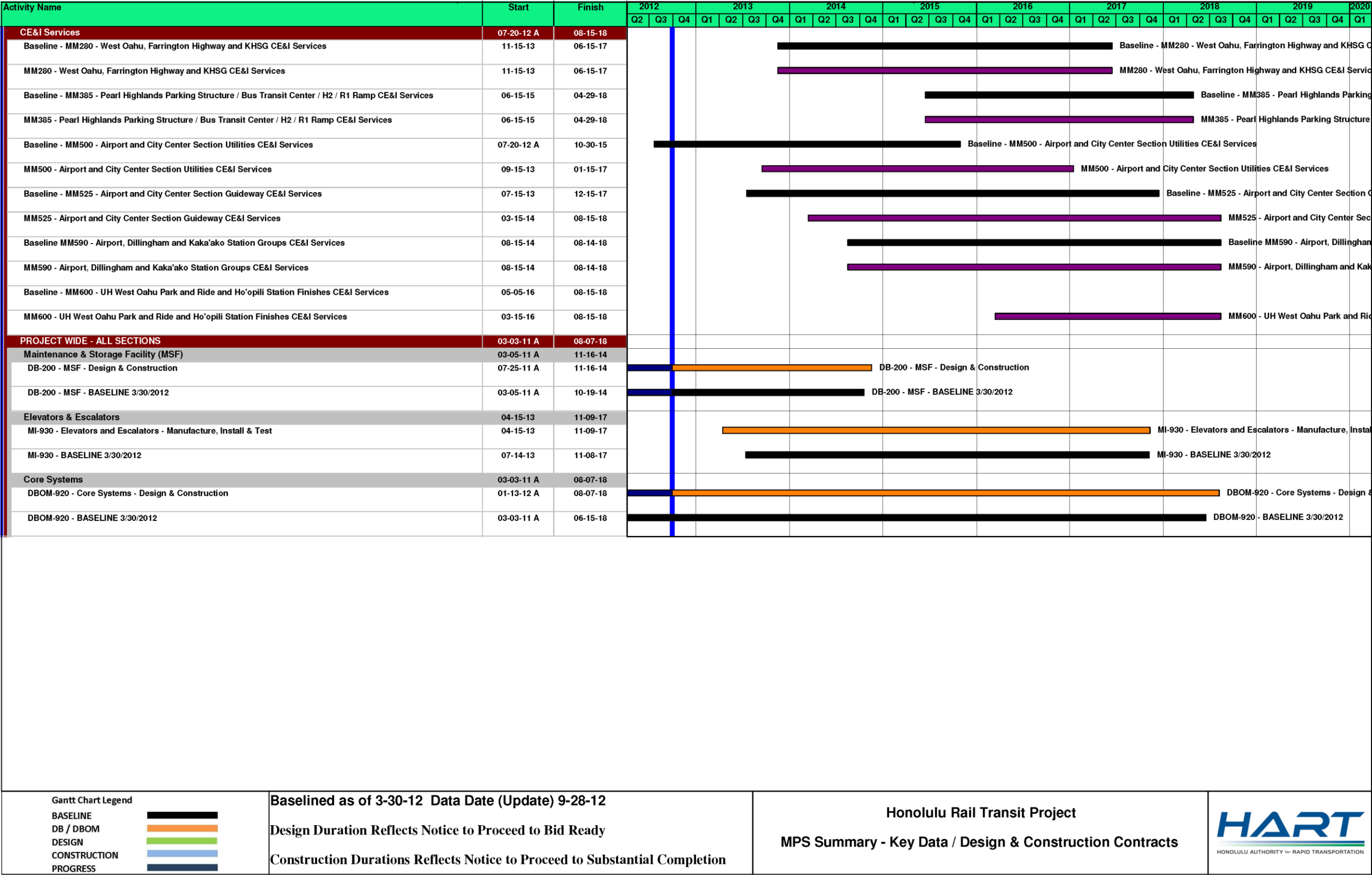
2.3 Project Schedule

The H RTP Master Project Schedule (MPS) has been updated as of September 28, as shown in the Master Project Schedule Summary (MPSS) in Figure 11 starting on the next page. This was statused against the FFGA Baseline MPS. The baseline and actual/planned durations of each contract are displayed for comparison.

Figure 11. H RTP Master Project Schedule Summary (MPSS)







2.4 Contingency Management

As part of the FFGA readiness process, the Risk and Contingency Management Plan (RCMP) is being revised in accordance with the FFGA CPP, MPS, Project Budget and Financial Plan. The cost and schedule contingency drawdown curves in the draft RCMP have been adjusted and submitted for FTA review. These curves establish minimum and buffer zone levels of cost and schedule contingency in accordance with FTA recommendations. Over the course of the project, if the cost or schedule contingency should trend into the buffer zone (the area above the minimum contingency), project management will immediately implement actions to maintain the level of contingency appropriate for the project stage.

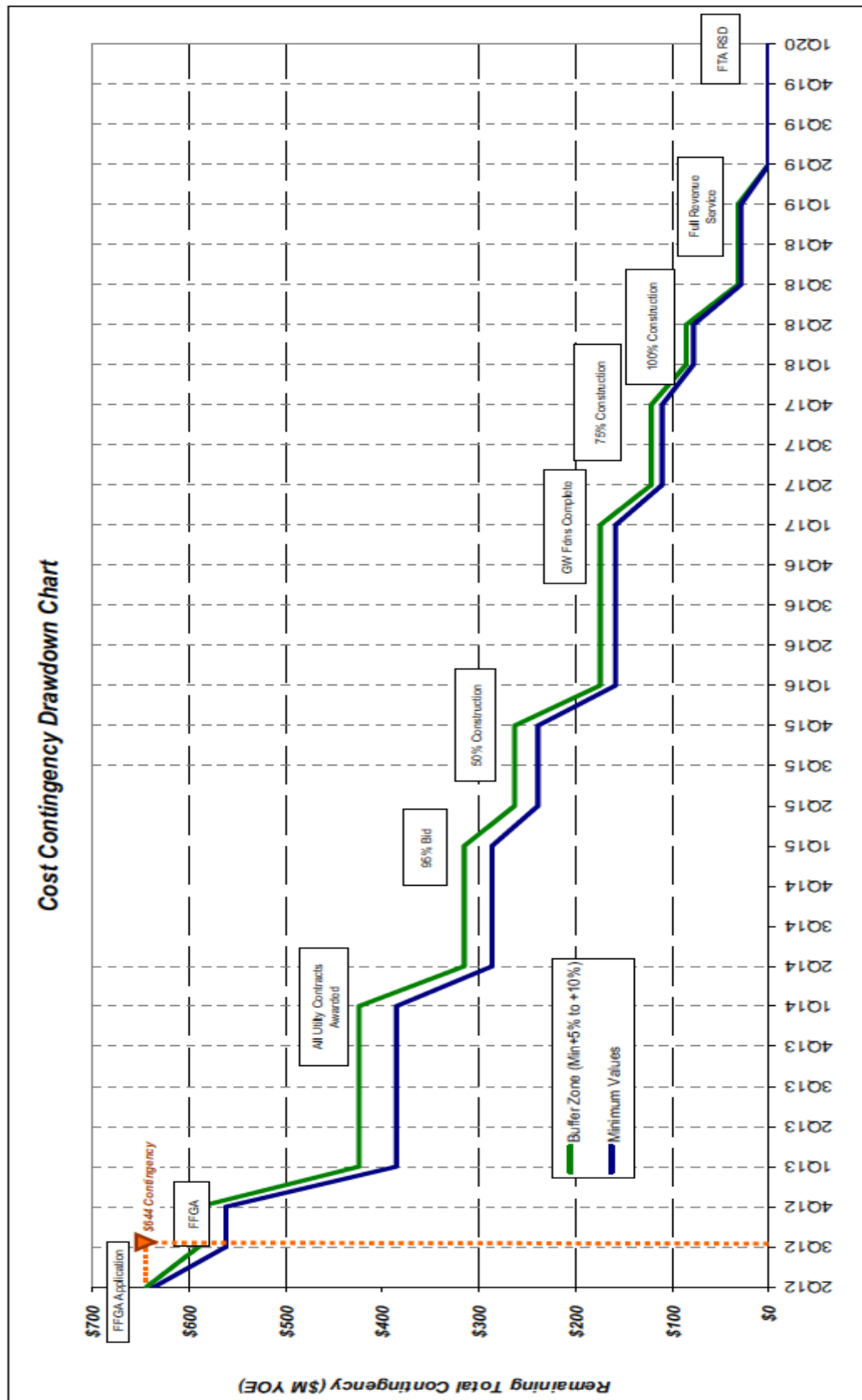
In re-baselining the Project Budget for FFGA, HART generated a bottom-up estimate (BUE) for each work package identified in the CPP, based on the level of design and current pricing of material, equipment, construction labor, professional services, real estate and all other costs. These revised estimates took into account the reduction of contingencies to reflect the advancement of Final Design since the Preliminary Engineering phase, as reflected in the anticipated base cost of each work package with respect to future risk aspects. Contingency was then allocated in accordance with FTA guidelines and current risk modeling methodologies. Included in the base costs were elements that were considered “known” or pending changes, but were still subject to final negotiations with contractors and execution of change orders. The result was the shifting of contingency budget to the respective contract base estimates as appropriate. The net effect is a reduction of approximately \$170M between the previous Project Budget and the FFGA Project Budget. As discussed in Section 2.1, the Total Available Contingency is \$717M, which is the addition of \$644M in contingency and the value of “known” and pending changes.

Each month, the HART and the PMOC conduct a breakout session to review a list of changes being considered for each contract. Changes are classified as pending, probable or potential and are summarized as Chgs ID'd (Changes Identified) in Project Cost reports. Pending changes are changes that have already been negotiated, have agreements reached and are in the signature/approval process. Probable changes are those already in the change management process that have been quantified to the extent of a HART-GEC estimate and a Contractor estimate with a time-impact evaluation (TIE), where appropriate. Probable changes are likely to have a negotiation strategy memo prepared and negotiations may be underway. Potential changes have only a HART-GEC estimate available to be discussed in more general terms. Finally, possible issues are less-defined, not yet quantified issues identified because they could have a future impact on the budget or timing of work.

HART will oversee the strategy being formulated in order to avoid or mitigate as well as plan the timing of any potential changes. Breakout session discussions will also focus on opportunities to reduce costs and accelerate contract-scheduled activities to attain key milestones earlier than targeted. The session will conclude with an overview of the cost and schedule drawdown curves, if and when changes might occur, in order to assess project performance against total project contingencies.

The Cost Contingency Drawdown Curve, subject to FTA/PMOC review as part of the RCMP revision process, is presented on Figure 12 on the next page. As of this reporting period, no change orders were executed that reduced the \$644 M.

Figure 12. Draft Cost Contingency Drawdown Chart



2.5 PMOC Issues and HART Actions Taken

The FTA's Project Management Oversight Contractor (PMOC) identified the following key "Issues or Concerns" in its October 2012 Monthly Report. HART actions to address each issue are described below. Issues closed by the PMOC are listed in Figure 13 on the next page.

- **Hawaii State Supreme Court Ruling on AIS**

Issue: "On August 24, 2012, the Hawaii Supreme Court issued a ruling in *Kaleikini v. City and County of Honolulu*, finding that the City and County of Honolulu (City) violated a State of Hawaii (State) historic preservation law (Hawaii Revised Statute (HRS) Chapter 6E) by approving the Project, and allowing construction to proceed, before completing an Archaeological Inventory Survey (AIS) for the entire Project. The ruling reversed a previous Circuit Court decision that had upheld the granting of City and State permits based on the phased completion of the AIS rather than on the completion of the AIS for the entire alignment. Currently, HART is working to complete the AIS for the entire 20-mile alignment.

HART issued a partial suspension of construction work on August 24, 2012 for all ground-disturbing activities after the ruling by the Hawaii Supreme Court. On September 7, 2012, HART provided letters to its contractors clarifying that no construction activity would continue until future written notice is provided by HART. However, Final Design work is still proceeding on all contracts that have been awarded to date.

As a result of the State Supreme Court's ruling, it is anticipated that there will be significant impacts to both the project schedule and project budget. The grantee's preliminary analysis indicates that the cost impact for the three design-build contracts could range between \$63 and \$85 million. The preliminary schedule analysis by the grantee indicates that there could be a nine to twelve-month impact on the interim opening but possibly no impact to the full Revenue Service Date. HART's cost impact assessment and Mitigation Strategies are under review by the PMOC. The PMOC is awaiting an updated MPS that reflects the schedule impact."

Action: HART continues to analyze the cost and schedule ramifications resulting from the Hawaii Supreme Court ruling. The analysis indicates that the delay will cost approximately \$7.1 million per month, and it is anticipated to be a nine to twelve month period. HART is proactively working with contractors on mitigation strategies and to ensure that work can resume after the suspension period without further interruption. In addition, HART has aggressively pursued completion of remaining AIS trenching work. It is HART's goal to complete the trenching activities as soon as possible. HART is confident that the delay will not affect the planned March 2019 revenue service date.

- **Design-Build Project Cost Forecasting**

Issue: "The PMOC had expressed some concern with the adequacy of the grantee's ability to forecast costs for the existing Design-Build (DB) contracts. The grantee's Estimate at Completion (EAC) did not accurately provide an assessment of the contract costs. However, HART has provided significantly improved EAC assessments of the contract costs to the PMOC. In addition, HART and the PMOC have held monthly breakout sessions to review the status of the forecast costs, schedule management, risk management, and cost containment measures. These breakout sessions have resulted in increased confidence by the PMOC of the grantee's ability to manage budget and schedule of the project."

Action: HART has provided to the PMOC additional details on cost projections while avoiding weakening negotiating position with contractors by divulging information or strategies that must remain confidential. HART continues to conduct a monthly Cost/Schedule Workshop with the PMOC to address pending, probable and potential changes and possible future issues for each active contract that could affect the total contingency reserve. [\[Issue closed. PMOC Monthly Report, October 2012.\]](#)

- **License Agreement with the Department of Hawaiian Home Lands (DHHL)**

Issue: “The grantee must execute a license agreement with the Department of Hawaiian Homelands (DHHL) to construct the MSF on the Navy Drum Site. The PMOC has recommended that the License Agreement be provided to the FTA and PMOC for review prior to execution. A Request for Right of Entry (ROE) for construction was approved by the DHHL Board. The ROE allows access to Navy Drum Site for construction until the property acquisition occurs or the License Agreement is finalized.”

Action: License agreement discussions with DHHL continue as the final agreement documentation goes through legal review. There does not appear to be any issue that will impact the construction schedule for MSF.

- **State Safety Oversight Agency (SOA) Consultant**

Issue: “An interim HDOT State Oversight Agency (SOA) Project Manager has been working part-time since April 2011. HDOT anticipates hiring a full-time SOA Project Manager by the end of 2012. Given the status of this Project, it is critical that the permanent SOA Project Manager be identified as soon as possible.”

Action: HDOT is making efforts to fill the SOA Project Manager position by the end of 2012. In the meantime, HDOT has executed a contract with a Consultant to focus on the requirements for the rail project. Dovetail Consulting, Inc. has signed the contract with HDOT and conducted an on-site assessment of the project. The Consultant met with HART staff, gathered information for the State Standard Plan and conducted an interview with the Executive Director and CEO.

- **HDR Engineering, Inc. Acquisition of Program Management Support Consultant (PMSC) InfraConsult LLC**

Issue: “HDR’s acquisition of InfraConsult LLC (HART’s Program Management Consultant) has created conflict of interest issues for HART since HDR is currently under contract to complete design of FHSG. HART submitted a White Paper on Organizational Conflict of Interest to FTA that discussed measures to mitigate this conflict, which includes several critical aspects of the project (quality, safety/security, project controls).”

Action: HART has put a system in place where no InfraConsult employee will have direct oversight over HDR or this contract. Qualified HART employees will perform this work instead. InfraConsult employees have signed statements that they will not oversee or bill for work with HDR or this contract. HDR has also stated to HART that it will not compete for any future contracts associated with the rail project. [\[Issue closed. PMOC Monthly Report, October 2012.\]](#)

Figure 13. Closed PMOC Issues

Closed Issues	
Description	Month Closed
Master Project Schedule (MPS) Critical Path	July 2011
Utilization of Letters of No Prejudice (LONPs)	February 2012
PMSC contract re-procured and NTP issued to InfraConsult LLC	February 2012
Real Estate Consultant contract procured and NTP issued to Paragon Partners Ltd.	March 2012
WOFH Precast Yard	June 2012
MSF Long-Lead Materials Procurement	July 2012
Design-Build Project Cost Forecasting	October 2012
HDR Engineering, Inc. Acquisition of PMSC, InfraConsult LLC	October 2012

3 CONTRACT STATUS

3.1 Procurement Status

Figure 14. Procurement: Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Maintain (MIM) Contracts

Procurement Tracking Report																	
Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Test-Maintain Contracts																	
Contract #	Contract Name	Sched Ref *	Part 1			Part 2			Issue NTP 1	Issue NTP 1A	Issue NTP 1B	Issue NTP 1C	Issue NTP 2	Issue NTP 3	Issue NTP 4	Contract Completion	Comments
			Issue RFQ	SOQs Due	Select BQO	Issue RFP	Submit Proposals	Execute Contract									
Design-Build Contracts																	
DB-120	West Oahu/Farrington Highway Guideway (WOFH) <i>[Kiewit Infrastructure West Company (KIWC)]</i>	CF	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 11 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Mar 03 '11	May 24 '11	Feb 06 '12	Feb 28 '15	NTP1: Pre-PE; NTP1A: Geotech (03/11/10); NTP1B: Interim Design/Prelim Engrg (03/23/10); NTP1C: Test Shafts (06/04/10); NTP2: Utilities; NTP3: Final Design; NTP4A: Construction w/o Casting Yd (02/06/12) Substan'! Compl'n = January 2015
		Act	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 17 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Mar 03 '11	May 24 '11	Feb 06 '12	Jan 31 '15	
		B/L	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 01 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Dec 08 '10	Mar 15 '11	Feb 06 '12	(28)	
		Var	-0-	-0-	-0-	-0-	-0-	(16)	-0-	-0-	-0-	-0-	(85)	(70)	-0-		
DB-200	Maintenance and Storage Facility (MSF) <i>[Kiewit/Kobayashi Joint Venture (KKJV)]</i>	CF	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	Jul 25 '11	-----	-----	-----	Jan 10 '12	Feb 07 '12	-----	Jan 05 '15	NTP1: Prelim Engrg; NTP2: Final Design; NTP3: Construction Substan'! Compl'n = November 2014
		Act	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	Jul 25 '11	-----	-----	-----	Jan 10 '12	Feb 07 '12	-----	Jan 05 '15	
		B/L	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	May 05 '11	-----	-----	-----	Sep 03 '11	Feb 07 '12	-----	-0-	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	(142)	-----	-----	-----	(129)	-0-	-----		
DB-320	Kamehameha Guideway (KHG) <i>[Kiewit Infrastructure West Company (KIWC)]</i>	CF	Nov 18 '09	Jan 05 '10	Feb 15 '10	Mar 19 '10	Oct 07 '10	Jun 30 '11	Jul 12 '11	-----	-----	-----	Jan 16 '12	Feb 07 '12	-----	Jul 01 '15	NTP1: Prelim Engrg; NTP2: Final Design; NTP3A: Construction (02/07/12) Substan'! Compl'n = June 2015
		Act	Nov 18 '09	Jan 05 '10	Feb 15 '10	Mar 19 '10	Oct 07 '10	Jun 30 '11	Jul 12 '11	-----	-----	-----	Jan 10 '12	Feb 07 '12	-----	-0-	
		B/L	Nov 18 '09	Jan 05 '10	Feb 15 '10	Mar 19 '10	Oct 07 '10	Apr 19 '11	Apr 23 '11	-----	-----	-----	Sep 03 '11	Feb 07 '12	-----		
		Var	-0-	-0-	-0-	-0-	-0-	-0-	(72)	(80)	-----	-----	-----	(129)	-0-	-----	
Design-Bid-Operate-Maintain Contract																	
DBOM-920	Core Systems Contract <i>[Ansaldo Honolulu JV]</i>	CF	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Nov 28 '11	Jan 13 '12	-----			Jul 15 '12	Apr 15 '13	-----	Mar 31 '19	Ready for Integrated Testing: E.Kap to Aloha Stadium Op Seg; September 2015 E.Kap to Middle Street Op Seg; January 2017 E.Kap to Ala Moana Op Seg; June 2018
		Act	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Nov 28 '11	Jan 13 '12	Jul 05 '12	-----		Jul 05 '12	Apr 15 '13	-----	Mar 31 '19	
		B/L	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Feb 26 '11	Mar 03 '11	-----			Jun 01 '12	Apr 15 '13	-----		
		Var	-0-	-0-	-0-	-0-	-0-	-0-	(275)	(316)	-----	-0-	-0-	(34)	-0-	-----	
Manufacture-Install-Test-Maintain																	
MI-930	Elevators and Escalators	CF	Aug 17 '12	Oct 25 '12	Nov 08 '12	Nov 21 '12	Jan 10 '13	Apr 15 '13	Apr 15 '13				Jan 15 '15	Mar 15 '16	-----	Nov 09 '17	Installation of first elevator is planned to occur August 2014 at Waipahu Station. Last elevator to be installed July 2017 at Ala Moana Ctr. NTP1: Design/Interface Coordination; NTP2: Manufacturing; NTP3 Installation/Testing
		Act	Aug 20 '12	Oct 25 '12											-----	Nov 09 '17	
		B/L	Sep 15 '12	Oct 30 '12	Dec 15 '12	Jan 15 '13	Mar 15 '13	Jun 15 '13	Jul 15 '13				Jan 15 '15	Mar 15 '16	-----		
		Var	+26	+5	+37	+55	+64	+61	+91	-0-	-0-	-0-	-0-	-0-	-----		

[Successful Contractor]

* Schedule Reference:
CF = Current Forecast AIS Delay Impacts incorporated into the Current Forecast.
ACT = ACTUAL Completed Achieved this Month
B/L = Baseline Master Project Schedule
[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
Var = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Notes:
WOFH: NTP4A: Construction w/o Casting Yard 02/06/2012
KHG: NTP3A: Construction 02/07/2012

Figure 15. Procurement: Design-Bid-Build (DBB) Contracts

Procurement Tracking Report									
Design-Bid-Build (DBB) Contracts									
Contract #	Contract Name	Sched Ref *	Bid Ready Dates (Ref.)	Advertise for Bids	Bid Opening	Execute Contract	Issue NTP	Contract Completion	Comments
Design-Bid-Build Contracts									
DBB-505	Airport Section Utilities Construction	CF Act B/L Var	Oct 15 '13 Mar 01 '13 (228)	Nov 01 '13 Mar 29 '13 (217)	Jan 05 '14 May 31 '13 (219)	Feb 28 '14 Jul 15 '13 (228)	Mar 05 '14 Aug 01 '13 (216)	Dec 22 '15 Dec 15 '14 (372)	Airport Utilities Relocation Substantial Completion = Nov 07 '15
DBB-510	City Center Section Utilities Construction	CF Act B/L Var	Feb 01 '14 Aug 15 '13 (170)	Mar 15 '14 Sep 16 '13 (180)	May 15 '14 Nov 15 '13 (181)	Jul 08 '14 Jan 04 '14 (185)	Jun 15 '14 Jan 18 '14 (148)	Dec 22 '15 Sep 15 '15 (98)	City Center Utilities Relocation Substantial Completion = Dec 01 '16
DBB-270	Farrington Highway Station Group Construction	CF Act B/L Var	May 15 '13 Feb 15 '13 (89)	Sep 15 '13 Mar 17 '13 (152)	Dec 14 '13 Mar 17 '13 (272)	Dec 28 '13 Jun 14 '13 (197)	Jan 28 '14 Jun 29 '13 (213)	May 30 '15 May 30 '15 -0-	Substantial Completion: Leeward Comm College Sta Nov 15 '14 Waipahu Transit Sta Feb 15 '15 W. Loch Station Apr 15 '15
DBB-170	West Oahu Station Group Construction	CF Act B/L Var	Aug 11 '13 Aug 11 '13 -0-	Nov 01 '13 Sep 10 '13 (59)	Jan 30 '14 Oct 25 '13 (95)	Feb 15 '14 Dec 08 '13 (69)	Mar 16 '14 Dec 22 '13 (64)	Oct 30 '16 Oct 30 '16 -0-	Substantial Completion: Ho'opili Station May 15 '16 UH West Oahu Station Jul 15 '16 E. Kapolei Station Sep 15 '16
DBB-370	Kamehameha Highway Station Group Construction (Includes H2/R2 Ramp)	CF Act B/L Var	Dec 15 '13 Nov 15 '13 (39)	Feb 16 '14 Dec 15 '13 (62)	May 17 '14 Jan 30 '14 (102)	Jun 01 '14 Mar 17 '14 (76)	Jul 01 '14 Mar 31 '14 (92)	Aug 29 '16 Aug 29 '16 -0-	Substantial Completion: Pearl Highlands Station Sep 15 '16 Aloha Stadium Station May 15 '16 Pearlridge Station Jul 15 '16
Re-Pkg DBB-185	West Oahu/Farrington Hwy/Kamehame Hwy Station Groups ("West Side Stations") Construction	CF Act B/L Var	Dec 15 '13 Nov 15 '13 (30)	Dec 15 '13 Dec 16 '13 +1	Feb 13 '14 Jan 30 '14 (14)	Apr 08 '14 Mar 17 '14 (22)	Apr 15 '14 Mar 31 '14 (15)	Nov 14 '16 Oct 30 '15 (381)	Substantial Completion = Sep 30 '16 Combines three (3) station construction contracts: DBB-170, DBB-270 and DBB-370. Includes the nine (9) stations from East Kapolei to Aloha Stadium plus the H2/R2 Ramp.
DBB-470	Airport Station Group Construction	CF Act B/L Var	Mar 15 '14 Mar 30 '12 (715)	Oct 01 '14 Dec 16 '13 (289)	Dec 01 '14 Jan 30 '14 (305)	Jan 25 '15 Mar 17 '14 (314)	Feb 01 '15 Mar 31 '14 (307)	Jun 15 '17 Aug 29 '15 (656)	Substantial Completion = May 01 '17 Includes the four (4) stations: Pearl Harbor, Airport, Lagoon Drive and Middle Street.
DBB-570	Dillingham Station Group Construction	CF Act B/L Var	Jun 15 '16 Feb 15 '16 (126)	Jul 15 '16 Aug 14 '16 +30	Oct 13 '16 Sep 28 '16 (16)	Oct 27 '16 Nov 12 '16 +16	Nov 27 '16 Nov 25 '16 (2)	Dec 30 '17 Dec 30 '17 -0-	Substantial Completion: Kalihi Station May 15 '17 Kapalama Station Jul 15 '17 Wilder Station Sep 15 '17 Chinatown Station Nov 15 '17
DBB-575	Kaka'ako Station Group Construction	CF Act B/L Var	Oct 15 '16 Jun 15 '16 (125)	Nov 15 '16 Jan 04 '16 +59	Feb 13 '16 Feb 18 '16 +5	Feb 29 '16 Apr 04 '16 +36	Mar 29 '16 Apr 10 '16 +21	Jul 30 '18 Jul 30 '18 -0-	Substantial Completion: Downtown Station Dec 15 '17 City Center Station Feb 15 '18 Kaka'ako Station Apr 15 '18 Ala Moana Station Jun 15 '18
Re-Pkg DBB-580	Dillingham/Kaka'ako Station Groups ("East Side Stations") Construction	CF Act B/L Var	May 01 '15 Jun 15 '15 +45	Jul 15 '15 Jan 05 '15 (191)	Sep 14 '15 Feb 19 '15 (207)	Nov 08 '15 Apr 05 '15 (217)	Nov 15 '15 Apr 19 '15 (210)	Aug 14 '18 Jun 29 '17 (411)	Substantial Completion = Jun 30 '18 Combines two (2) station construction contracts: DBB-570 and DBB-575. Includes the eight (8) stations from Kalihi to Ala Moana Center.
DBB-520	Airport and City Center Sections Guideway Construction	CF Act B/L Var	Apr 14 '14 Jan 15 '16 +641	May 01 '14 May 01 '14 -0-	Aug 15 '14 Jun 16 '14 (60)	Oct 09 '14 Jul 31 '14 (70)	Oct 15 '14 Aug 14 '14 (62)	Apr 29 '18 Jul 01 '18 +63	Airport GW Subst'l Comp'n = Dec 15 '16 City Center GW Subst'l Comp'n = Mar 15 '18
DBB-275	Pearl Highlands Parking Structure/ Bus Transit Center Construction (Includes H2/R1 Ramp)	CF Act B/L Var	Oct 01 '15 Oct 01 '15 -0-	Aug 15 '15 Oct 30 '15 +76	Nov 13 '15 Dec 14 '15 +31	Nov 28 '15 Jan 28 '16 +61	Dec 28 '15 Feb 11 '16 +45	Apr 29 '18 Apr 29 '18 -0-	Substantial Completion: Mar 15 '18
DBB-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Construction	CF Act B/L Var	Jan 15 '16 Jan 15 '16 -0-	Mar 15 '16 Feb 15 '16 (29)	Jun 08 '16 Apr 15 '16 (54)	Sep 01 '16 May 30 '16 (94)	Sep 15 '16 Jun 15 '16 (92)	Aug 15 '18 Aug 15 '18 -0-	Substantial Completion: Jul 01 '18

[Successful Contractor]

Note: Bid Ready Dates from FD Tracking sheet for Reference.

* Schedule Reference:
CF = Current Forecast
ACT = ACTUAL
B/L = Baseline Master Project Schedule
[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Note: Contract Completion based on 45 days after Substantial Completion (or, with station groups, the last station in the group).

AIS Delay Impacts incorporated into the Current Forecast.
Completed Achieved this Month

Figure 16. Procurement: Final Design (FD) Contracts

Final Design Contracts												
Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bid Ready	Contract Completion	Comments
Final Design Agreements												
FD-240	Farrington Highway Station Final Design [HDR Engineering, Inc.]	CF Act B/L Var	Oct 02 '09 Oct 02 '09 -0-	Nov 19 '09 Nov 19 '09 -0-	-0-	-0-	Feb 15 '10 Feb 15 '10 -0-	Apr 15 '10 Apr 15 '10 -0-	Jan 14 '11 Jan 14 '11 -0-	May 15 '13 Feb 15 '13 (89)	Dec 31 '15 May 30 '15 (215)	As-built draw ings completed: Dec 31 '15
FD-140	West Oahu Station Group Final Design [URS Corp.]	CF Act B/L Var	Jan 14 '10 Jan 14 '10 -0-	-0-	-0-	-0-	Feb 08 '12 Feb 11 '11 (362)	May 29 '12 Jun 14 '12 May 29 '12 (16)	Jun 08 '12 Jun 15 '12 Jun 08 '12 (7)	Aug 11 '13 Aug 11 '13 -0-	Jun 30 '16 Oct 30 '15 (244)	As-built draw ings completed: Jun 30 '16
FD-340	Kamehameha Highway Station Group Final Design (includes H2/R2 Ramp)	CF Act B/L Var	Jun 28 '11 Jun 28 '11 -0-	Aug 04 '11 Aug 04 '11 -0-	Sep 28 '11 Sep 28 '11 -0-	Oct 19 '11 Aug 20 '12 Oct 19 '11 (306)	Mar 02 '12 Aug 31 '12 Feb 28 '12 (185)	Nov 12 '12 Jun 08 '12 (157)	Nov 16 '12 Jun 22 '12 (147)	Dec 15 '13 Nov 15 '13 (30)	Oct 31 '16 Aug 29 '15 (429)	As-built draw ings completed: Oct 31 '16
FD-430	Airport Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	CF Act B/L Var	Utilities						Utilities		Oct 15 '13	As-built draw ings completed: Apr 30 '15
			Jan 26 '11 Jan 26 '11 -0-	Mar 14 '11 Mar 14 '11 -0-	Apr 09 '11 Apr 09 '11 -0-	Jun 09 '11 Jun 09 '11 -0-	Sep 20 '11 Sep 20 '11 -0-	Dec 22 '11 Dec 22 '11 Jul 31 '11 +144	Jan 05 '12 Jan 05 '12 Aug 01 '11 +157	Mar 01 '13 (228) Apr 14 '14	Jun 30 '17 May 01 '18 (305)	
			Guideway						Guideway		Apr 01 '14 (13)	As-built draw ings completed: Jun 30 '17
FD-530	City Center Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	CF Act B/L Var	Utilities						Utilities		Feb 01 '14	As-built draw ings completed: Feb 28 '16
			Dec 16 '11 Dec 16 '11 -0-	Feb 09 '12 Feb 09 '12 -0-	Apr 04 '12 Apr 04 '12 -0-	May 11 '12 May 11 '12 -0-	Jun 05 '12 Jun 05 '12 -0-	Aug 01 '12 Jul 30 '12 Jul 18 '12 (12)	Aug 01 '12 Jul 31 '12 Aug 01 '12 +1	Aug 15 '13 (170) Apr 14 '14	Apr 30 '18 May 01 '18 (1)	Combines tw o (2) guidew ay construction contracts contracts: DBB-170, DBB-270 and DBB-370.
			Guideway						Guideway		Apr 01 '14 (13)	As-built draw ings completed: Apr 30 '18
FD-440	Airport Station Group Final Design	CF Act B/L Var	Mar 30 '12 Mar 30 '12 -0-	May 10 '12 May 10 '12 -0-	Jun 21 '12 Jun 14 '12 Jun 21 '12 +7	Jul 10 '12 Jul 10 '12 Jul 21 '12 +11	Aug 14 '12 Aug 14 '12 Aug 23 '12 +9	Nov 01 '12 Oct 12 '12 (20)	Nov 02 '12 Oct 26 '12 (7)	Mar 15 '14 Apr 01 '14 +17	Jul 15 '17 Jul 29 '17 -0-	Advertise for Constr Bids: Oct 01 '14 Schedule Buffer = 7 months As-built draw ings completed: Apr 30 '18
FD-540	Dillingham Station Group Final Design	CF Act B/L Var	Dec 08 '12 Sep 03 '12 (96)	Feb 11 '13 Nov 07 '12 (96)	Apr 17 '13 Jan 11 '13 (96)	May 24 '13 Feb 17 '13 (96)	Jun 23 '13 Mar 10 '13 (96)	Aug 14 '13 May 18 '13 (96)	Aug 15 '13 Jun 01 '13 (75)	Jun 15 '15 Feb 15 '16 (120)	Jul 31 '18 Jul 31 '18 -0-	
FD-545	Kaka'ako Station Group Final Design	CF Act B/L Var	Mar 10 '13 Dec 15 '12 (86)	May 14 '13 Feb 18 '13 (86)	Jul 18 '13 Apr 24 '13 (86)	Aug 24 '13 May 31 '13 (86)	Sep 23 '13 Jun 30 '13 (86)	Nov 14 '13 Aug 20 '13 (77)	Nov 15 '13 Sep 12 '13 (64)	Oct 15 '16 Jun 15 '16 (122)	Sep 14 '18 Sep 14 '18 -0-	
Re-Pkg FD-550	Dillingham and Kaka'ako Station Groups ("East Side Stations") Final Design	CF Act B/L Var	Nov 15 '12 Dec 15 '12 +30	Jan 08 '13 Feb 18 '13 +41	Feb 07 '13 Apr 24 '13 +76	Mar 09 '13 May 31 '13 +83	Apr 08 '13 Jun 30 '13 +83	Aug 08 '13 Aug 29 '13 +21 Nov 15 '15	Aug 15 '13 Sep 12 '13 +28	May 01 '15 Jun 15 '15 +45	Jul 30 '18 Sep 14 '18 +46	Combines tw o (2) station design contracts: FD-540 and FD-545. Includes the eight (8) stations from Kalihi to Ala Moana Center. Advertise for Constr Bids: Jul 15 '15 Schedule Buffer = 2.5 months As-built draw ings completed: Sep 30 '18
FD-245	Pearl Highlands Parking Structure/ Bus Transit Center Final Design (includes H2/R1 Ramp)	CF Act B/L Var	Apr 15 '13 Jun 30 '13 +76	May 30 '13 Aug 14 '13 +76	Jul 14 '13 Sep 28 '13 +76	Aug 20 '13 Nov 04 '13 +76	Sep 19 '13 Dec 04 '13 +76	Nov 18 '13 Feb 02 '14 +76	Dec 21 '13 Feb 16 '14 +57	Oct 01 '15 Oct 01 '15 -0-	Apr 29 '18 Apr 29 '18 -0-	
FD-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Final Design	CF Act B/L Var	Sep 10 '14 Sep 10 '14 -0-	Dec 08 '14 Dec 08 '14 -0-	Jan 14 '15 Jan 14 '15 -0-	Feb 13 '15 Feb 13 '15 -0-	Apr 14 '15 Apr 14 '15 -0-	Apr 27 '15 Apr 27 '15 -0-	May 12 '15 May 12 '15 -0-	Jan 15 '16 Jan 15 '16 -0-	Sep 29 '18 Sep 14 '18 (15)	
[Successful Contractor]												
* Schedule Reference:												
CF = Current Forecast AIS Delay Impacts incorporated into the Current Forecast.												
ACT = ACTUAL Completed Achieved this Month												
B/L = Baseline Master Project Schedule												
[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]												
Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)												
+Ahead/(Behind)/-0- versus the B/L Master Project Schedule												
Notes:												
All Final Design Consultants are responsible for providing Design Support Services during Bidding and during Constructi in accordance w ith their contracts. Schedule Basis: Contract Completion date reflects final as-built draw ing submittals.												

Figure 17. Procurement: Construction Engineering and Inspection Services (CE&I) Contracts

Procurement Tracking Report												
Construction Engineering and Inspection (CE&I) Services Contracts												
Contract #	Contract Name	Sched Ref *	Advertise RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Constr Advertise for Bids (Ref.)	Contract Completion	Comments
Construction Engineering & Inspection Agreements												
MM-500	Airport & City Center Section Utilities CE&I Services	CF Act B/L Var	Mar 17 '13 Jul 20 '12 (240)	May 16 '13 Aug 20 '12 (269)	Jun 15 '13 Sep 10 '12 (278)	Jul 14 '13 Oct 09 '12 (278)	Aug 13 '13 Nov 08 '12 (278)	Sep 17 '13 Dec 13 '12 (278)	Oct 02 '13 Dec 28 '12 (278)	Nov 01 '13 Sep 16 '13 (46)	Jan 15 '17 Oct 30 '15 (443)	NTP is based on the schedule for the Airport Section Utilities Construction contract (DBB-505).
MM-180	West Oahu and Farrington Highway Station Groups CE&I Services	CF Act B/L Var	Jul 15 '12 Jul 09 '12 (6)	Aug 31 '12 Aug 08 '12 (29)	Sep 30 '12 Sep 07 '12 (29)	Oct 31 '12 Oct 08 '12 (29)	Nov 30 '12 Nov 07 '12 (29)	Dec 30 '12 Dec 07 '12 (29)	Mar 16 '13 Dec 17 '12 (69)	May 16 '13 Feb 15 '13 (69)	Oct 30 '15 Oct 30 '15 -0-	
MM-380	Kamehameha Highway Station Group CE&I Services (includes H2/R2 Ramp)	CF Act B/L Var	Mar 16 '13 Feb 13 '13 (39)	Apr 14 '13 Mar 15 '13 (39)	May 16 '13 Apr 16 '13 (39)	Jun 15 '13 May 16 '13 (39)	Jul 17 '13 Jun 17 '13 (39)	Sep 16 '13 Aug 16 '13 (39)	Oct 16 '13 Sep 16 '13 (39)	Dec 16 '13 Nov 15 '13	Aug 29 '15 Aug 29 '15 -0-	
Re-Pkg MM-280	West Oahu, Farrington Highway and Kamehameha Highway Station Groups ("West Side Stations") CE&I Services (includes H2/R2 Ramp)	CF Act B/L Var	Mar 31 '13 Feb 13 '13 (46)	May 30 '13 Mar 15 '13 (76)	Jul 01 '13 Apr 16 '13 (76)	Jul 31 '13 May 16 '13 (76)	Sep 01 '13 Jun 17 '13 (76)	Oct 31 '13 Aug 16 '13 (76)	Nov 15 '13 Sep 16 '13 (60)	Dec 15 '13 Dec 16 '13 +1	Jun 15 '17 Aug 29 '15 (656)	NTP is based on the schedule for the re-packaged "West Side Stations" Construction contract (DBB-185).
MM-525	Airport and City Center Sections Guideway CE&I Services	CF Act B/L Var	Jul 05 '13 Jul 19 '13 +14	Aug 19 '13 Sep 02 '13 +14	Oct 02 '13 Oct 16 '13 +14	Nov 01 '13 Nov 15 '13 +14	Dec 02 '13 Dec 16 '13 +14	Jan 31 '14 Feb 14 '14 +14	Apr 01 '14 Mar 17 '14 (15)	May 01 '14 May 01 '14 -0-	Aug 15 '18 Aug 15 '18 -0-	
MM-485	Airport Station Group CE&I Services	CF Act B/L Var	Jun 16 '13 Nov 15 '13 +153	Jul 16 '13 Dec 16 '13 +153	Aug 16 '13 Jan 15 '14 +153	Sep 14 '13 Feb 14 '14 +153	Oct 16 '13 Mar 17 '14 +153	Dec 14 '13 May 16 '14 +153	Jan 14 '14 Jun 16 '14 +153	Mar 15 '14 Apr 01 '14	#REF! Jun 29 '17 #REF!	
MM-585	Dillingham and Kaka'ako Station Groups CE&I Services	CF Act B/L Var	Sep 20 '14 May 23 '14 (129)	Oct 21 '14 Jun 23 '14 (129)	Nov 19 '14 Jul 21 '14 (129)	Dec 17 '14 Aug 19 '14 (129)	Jan 16 '15 Sep 18 '14 (129)	Mar 17 '15 Nov 17 '14 (129)	Apr 16 '15 Dec 17 '14 (129)	Jun 15 '15 Feb 16 '15	Jul 30 '18 Jul 30 '18 -0-	
Re-Pkg MM-590	Airport, Dillingham and Kaka'ako Station Groups ("East Side Stations") CE&I Services	CF Act B/L Var	Feb 05 '14 May 23 '14 +107	Mar 08 '14 Jun 23 '14 +107	Apr 05 '14 Jul 21 '14 +107	May 04 '14 Aug 19 '14 +107	Jun 03 '14 Sep 18 '14 +107	Aug 02 '14 Nov 17 '14 +107	Sep 01 '14 Dec 17 '14 +107	Oct 01 '14 Jan 05 '15 +96	Aug 14 '18 Jul 30 '18 (15)	NTP is based on the schedule for the Airport Station Group Construction contract (DBB-470).
MM-385	Pearl Highlands Parking Structure/ Bus Transit Center CE&I Services (includes H2/R1 Ramp)	CF Act B/L Var	Dec 18 '14 Jan 05 '15 +18	Jan 15 '15 Feb 02 '15 +18	Feb 15 '15 Mar 05 '15 +18	Mar 16 '15 Apr 03 '15 +18	Apr 16 '15 May 04 '15 +18	Jun 15 '15 Jul 03 '15 +18	Jul 16 '15 Aug 03 '15 +18	Aug 15 '15 Oct 30 '15 +76	Apr 29 '18 Apr 29 '18 -0-	
MM-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes CE&I Services	CF Act B/L Var	Aug 01 '15 Oct 21 '15 +81	Aug 31 '15 Nov 20 '15 +81	Oct 01 '15 Dec 21 '15 +81	Oct 31 '15 Jan 20 '16 +81	Nov 30 '15 Feb 19 '16 +81	Jan 15 '16 Apr 05 '16 +81	Feb 14 '16 May 05 '16 +81	Mar 15 '16 Feb 15 '16 (29)	Aug 15 '18 Aug 15 '18 -0-	

[Successful Contractor]

* Schedule Reference:

CF = Current Forecast AIS Delay Impacts incorporated into the Current Forecast.

ACT = ACTUAL Completed Achieved this Month

B/L = Baseline Master Project Schedule

[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]

Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)

+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Note: Constr Adv for Bids for Reference.

Schedule Basis: NTP to CE&I Contracts one (1) month prior to Advertise for Construction Bids; Contract completion is three (3) months after Substantial Completion for contract closeout.

Figure 18. Procurement: Project Management and Specialty Consultant Services Contracts

Procurement Tracking Report											
Project Management and Specialty Consultant Services Contracts											
CPP Contract #	Contract Name	Sched Ref *	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
MM-900	Program Management Support Consultant - 1 (PMSC-1) [InfraConsult LLC]	CF Act B/L Var	Jul 15 '09 Jul 15 '09 Jul 15 '09 -0-	Sep 01 '09 Sep 01 '09 Sep 01 '09 -0-		-0-	-0-	-0-	Nov 19 '09 Nov 19 '09 Nov 19 '09 -0-	Jan 31 '13 Feb 28 '12 (338)	
MM-901	Program Management Support Consultant - 2 (PMSC-2) [InfraConsult LLC]	CF Act B/L Var	Aug 03 '11 Aug 03 '11 Aug 03 '11 -0-	Sep 02 '09 Sep 02 '09 Sep 02 '09 -0-	-0-	-0-	-0-	Feb 28 '12 Feb 28 '12 Feb 23 '12 (5)	Mar 08 '12 Mar 08 '12 Feb 23 '12 (14)	Feb 28 '15 Feb 28 '15 -0-	
MM-905	General Engineering Consultant I (GEC-1) (EIS/Preliminary Engrg) [Parsons Brinckerhoff]	CF Act B/L Var	Jun 01 '07 Jun 01 '07 Jun 01 '07 -0-	Aug 24 '07 Aug 24 '07 Aug 24 '07 -0-	-0-	-0-	-0-	-0-	Oct 25 '09 Oct 25 '09 Oct 25 '09 -0-	Jan 31 '13 Mar 25 '12 (312)	
MM-910	General Engineering Consultant II (GEC-2) (Final Design and Construction) [Parsons Brinckerhoff, Inc.]	CF Act B/L Var	Sep 03 '09 Sep 03 '09 Sep 03 '09 -0-	Nov 15 '09 Nov 15 '09 Nov 15 '09 -0-	-0-	-0-	-0-	Jun 30 '11 Jun 30 '11 Jun 30 '11 -0-	Aug 02 '11 Aug 02 '11 Aug 02 '11 -0-	Aug 01 '14 Aug 01 '14 -0-	
MM-935	Real Estate Consultant [Paragon Partners, Ltd.]	CF Act B/L Var	Apr 01 '11 Apr 01 '11 Apr 01 '11 -0-				Sep 08 '11 Sep 08 '11 Sep 08 '11 -0-	Mar 14 '12 Mar 14 '12 Mar 15 '12 +1	Mar 14 '12 Mar 14 '12 Mar 15 '12 +1	Mar 13 '17 Mar 13 '17 -0-	
MM-940	Kako'o Consultant [Pacific Legacy, Inc.]	CF Act B/L Var	May 20 '11 May 20 '11 May 20 '11 -0-	Jun 20 '11 Jun 20 '11 -0-	-0-	-0-	Sep 09 '11 Sep 09 '11 Sep 09 '11 -0-	Mar 29 '12 Mar 29 '12 Mar 15 '12 (14)	Mar 29 '12 Mar 30 '12 Mar 15 '12 (14)	Feb 14 '17 Feb 14 '17 -0-	
MM-950	Owner Controlled Insurance Program (OCIP) Consultant [Marsh USA, Inc.]	CF Act B/L Var	Jan 31 '12 Jan 31 '12 Jan 31 '12 -0-		-0-	-0-	Mar 01 '12 Mar 01 '12 Mar 01 '12 -0-	May 10 '12 May 10 '12 May 18 '12 +8	May 10 '12 Jun 05 '12 Apr 28 '12 (38)	May 09 '17 Dec 01 '19 ----	5-year Consultant Services contract to assist in procurement of insurance coverage and administer insurance and risk management services for the H RTP.
MM-975	LEED Commissioning Services for the Maintenance and Storage Facility (MSF) [Enovity, Inc.]	CF Act B/L Var						Oct 06 '10 Oct 06 '10 Oct 07 '10 +1	Oct 07 '10 Oct 07 '10 Oct 07 '10 -0-	Jan 14 '16 Jan 14 '16 -0-	

[Successful Contractor]

* Schedule Reference:
CF = Current Forecast
ACT = ACTUAL Completed Achieved this Month
B/L = Baseline Master Project Schedule
[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Figure 19. Procurement: HDOT Consultant Services and Other Contracts

Procurement Tracking Report											
Hawaii Department of Transportation (HDOT) Consultant Services Contracts and Other Contracts											
CPP Contract #	Contract Name	Sched Ref *	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
HDOT Agreements											
MM-915	HDOT Traffic Management Coordination Consultant [ICX Transportation Group]	CF Act B/L Var	Aug 15 '11 Aug 15 '11 Mar 04 '11 (164)	-0-	-0-	-0-	-0-	Jun 01 '12 Jun 05 '12 Jun 01 '12 (4)	Jul 01 '12 Jun 12 '12 Jul 01 '12 +19	Jul 01 '17 Feb 15 '19 +594	Scope of services is for the entire alignment. Contract length = 60 months.
MM-920	HDOT Design Coordination Consultant - West Oahu/Farrington Highway Guideway Section [AECOM Tech Svcs, Inc.]	CF Act B/L Var						Jun 07 '11 Jun 07 '11 Jun 07 '11 -0-	Jun 08 '11 Jun 08 '11 Jun 08 '11 -0-	Jun 15 '18 Jun 15 '18 Jun 15 '18 -0-	
MM-921	HDOT Design Coordination Consultant - Kamehameha Highway Guideway Section [AECOM Tech Svcs, Inc.]	CF Act B/L Var						Jun 01 '12 Jun 05 '12 Apr 01 '12 (61)	Jul 01 '12 Jun 29 '12 Jul 01 '12 (2)	Jul 15 '15 Jul 15 '15 Jul 15 '15 -0-	
MM-922	HDOT Design Coordination Consultant - Airport Guideway Section [SSFM International]	CF Act B/L Var						Jan 16 '14 Jun 08 '12 Jan 16 '14 +587	Jan 30 '14 Jun 12 '12 Jan 30 '14 +597	Jun 15 '18 Jun 15 '18 Jun 15 '18 -0-	
MM-923	HDOT Design Coordination Consultant - City Center Guideway Section	CF Act B/L Var	Jul 14 '14 Jul 14 '14 -0-	Aug 28 '14 Aug 28 '14 -0-	Oct 12 '14 Oct 12 '14 -0-	Nov 18 '14 Nov 18 '14 -0-	Dec 18 '14 Dec 18 '14 -0-	Feb 16 '15 Feb 16 '15 -0-	Mar 02 '15 Mar 02 '15 -0-	Jun 15 '18 Jun 15 '18 Jun 15 '18 -0-	An option under MM-922.
Other Agreements											
MM-945	On-Call Construction Contractor	CF Act B/L Var	Mar 15 '13 Mar 15 '13 -0-	Apr 14 '13 Apr 14 '13 -0-	Apr 29 '13 Apr 29 '13 -0-	May 29 '13 May 29 '13 -0-	Jun 28 '13 Jun 28 '13 -0-	Jul 28 '13 Jul 28 '13 -0-	Aug 27 '13 Aug 27 '13 -0-	Mar 03 '19 Mar 03 '19 -0-	
MM-946	On-Call HazMat Contractor(s)	CF Act B/L Var						Jun 15 '12 Aug 23 '12 Jun 15 '12 -0-	Sep 07 '12 Sep 07 '12 Jun 30 '12 (69)	Feb 15 '17 Feb 15 '17 -0-	

[Successful Contractor]

* Schedule Reference:
CF = Current Forecast
ACT = ACTUAL Completed Achieved this Month
B/L = Baseline Master Project Schedule
[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

3.2 Design-Build (DB) Contract Status

Contract DB-120: West Oahu/Farrington Highway Guideway (WOFH)

DB Contractor: Kiewit Infrastructure West Company (KIWC)

Committed:¹ \$515,451,270

Incurred to date: \$155,906,922 (30.2%)

Authorized:² \$271,885,336 (52.7%)

Substantial Completion: January 2015

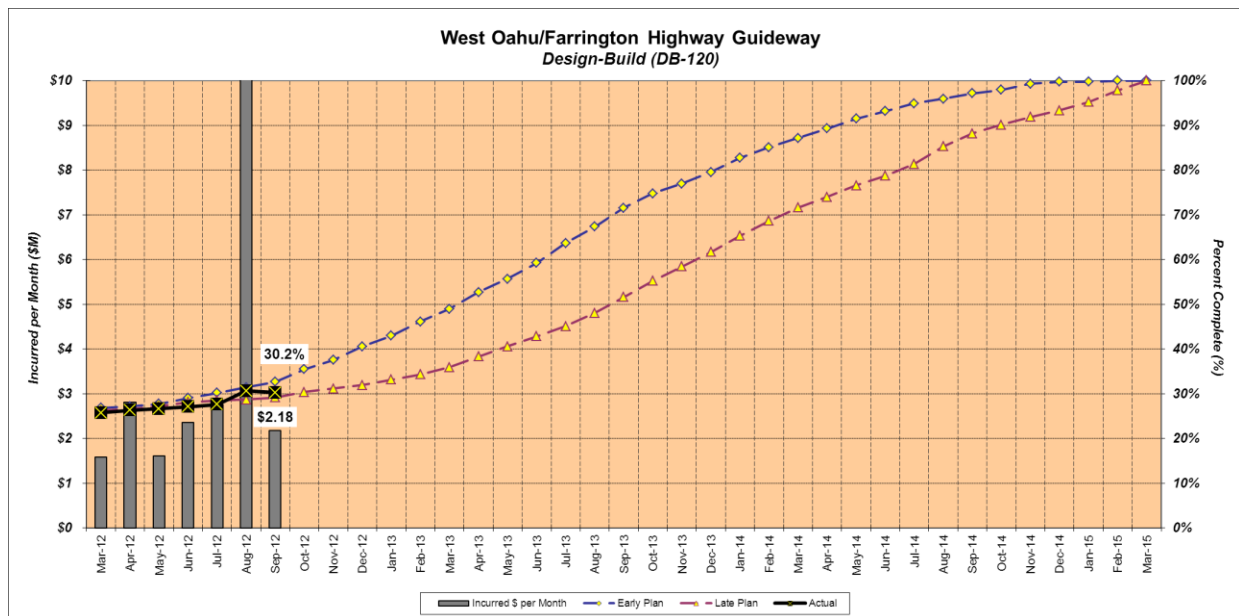
¹ Commitment as of 9/28 = Contract value (not including contingency) + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 9/28= NTP dollar values + executed Change Orders.

• Contract Progress

Actual progress as of September 28 is 30.2%, versus the early plan of 32.6% and the late plan of 29.1%, as shown in Figure 20 below. \$2.18 M was incurred in September. Construction activity is under suspension. Design continues and is 95% complete, based on Schedule of Milestones completion.

Figure 20. West Oahu/Farrington Highway Guideway (WOFH) Construction



• Activities this month

- HART continues to work with KIWC to mitigate the impact of the partial suspension of construction activities, including demobilization and equipment.
- KIWC continues to maintain and secure the work site and has also completed leveling of the casting yard site for storage of materials and equipment. KIWC is also performing restoration of sites related to construction activity, including utility trenches and Kalo Gulch side slopes, as requested by HDOT.
- A total of 388 contract submittals have been received (14 currently under review).
- KIWC has completed 52 (40%) of 131 final design submittals.
- Geotechnical investigations remain at 98% complete, with further work pending access to the remaining borings in the Banana Patch area.
- Overall utility relocation is 28% complete. This activity is on hold due to the partial suspension of work.
- HART has received 226 Requests for Information (RFIs) from the contractor (all closed).

• Look Ahead

- Negotiate contract change order for payment of activities affected by the partial suspension of construction activity.
- Continue interface and final design activities.

Contract DB-200: Maintenance and Storage Facility (MSF)**DB Contractor: Kiewit/Kobayashi Joint Venture (KKJV)**Committed:¹ \$195,258,000

Incurred to date: \$25,139,821 (12.9%)

Authorized:² \$128,288,734 (65.7%)

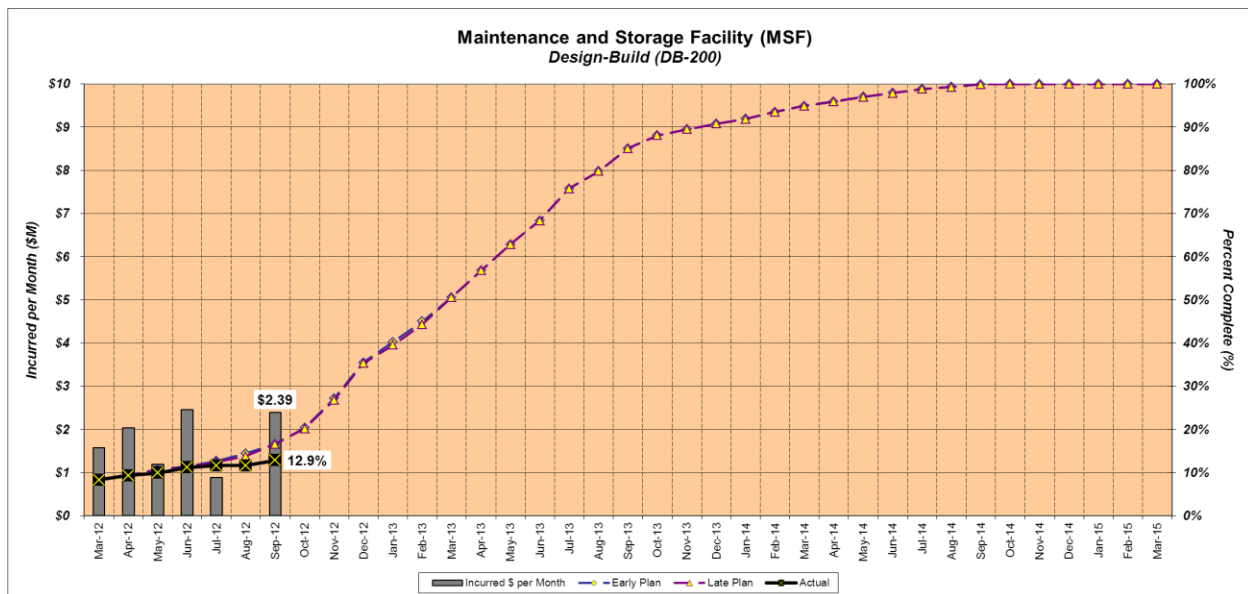
Substantial Completion: November 2014

¹ Commitment as of 9/28 = Contract value (not including contingency) + executed Change Orders.² Total Authorized for Expenditure (AFE) as of 9/28= NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of September 28 is 12.9%, versus the early and late plans of 16.6%, as shown in Figure 21 below. In September, \$2.39 M was incurred. Design is 90% complete and is continuing through the partial suspension of construction.

Figure 21. Maintenance and Storage Facility (MSF) Construction



- Activities this month**

- HART continues to work with KIWC to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment.
- KKJV has completed 2 (22%) of 9 final design submittals.
- KKJV is working with Ansaldo to resolve interface issues.
- HART has received 117 Requests for Information (RFIs) from the contractor (4 open).

- Look Ahead**

- Negotiate a contract change order for payment of activities affected by the partial suspension of construction activity.
- Resolve Core Systems interface items.
- Oversee delivery of rail material.

Contract DB-320: Kamehameha Highway Guideway (KHG)**DB Contractor: Kiewit Infrastructure West Company (KIWC)**Committed:¹ \$372,150,000

Incurred to date: \$72,106,575 (19.4%)

Authorized:² \$162,166,081 (43.6%)

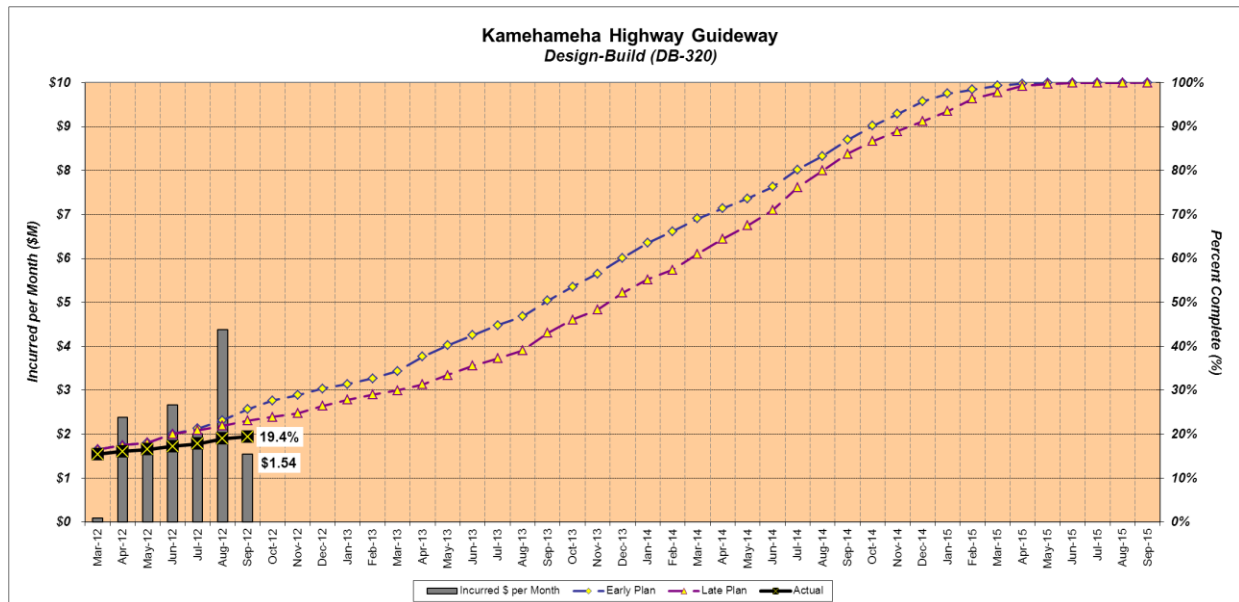
Substantial Completion: June 2015

¹ Commitment as of 9/28 = Contract value (not including contingency) + executed Change Orders.² Total Authorized for Expenditure (AFE) as of 9/28 = NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of September 28 is 19.4%, versus an early plan of 25.6% and a late plan of 23.1%, as shown in Figure 22 below. In September, \$1.54 M was incurred. Design continues and is 90% complete.

Figure 22. Kamehameha Highway Guideway (KHG) Construction



- Activities this month**

- HART continues to work with KIWC to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment.
- KIWC is removing equipment and material at the test shaft site (No.13) in the Kamehameha Highway interchange area near Aloha Stadium and will restore the site. The test shaft operation will resume once the partial suspension is lifted.
- A total of 156 contract submittals have been received (11 under review).
- KIWC has completed 5 (15%) of 34 final design submittals.
- HART has received 77 Requests for Information (RFIs) from the contractor (all closed).

- Look Ahead**

- Negotiate contract change order for payment of activities affected by the partial suspension of construction activity.
- Continue interface and design activities.

3.3 Design-Build-Operate-Maintain (DBOM) Contract Status

Contract DBOM-920: Core Systems Contract (CSC)

DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)

Committed:¹ \$573,782,793

Incurred to date: \$17,588,803 (3.8%)

Authorized:² \$ 97,918,391 (17.1%)

Start-up Completion: March 2019

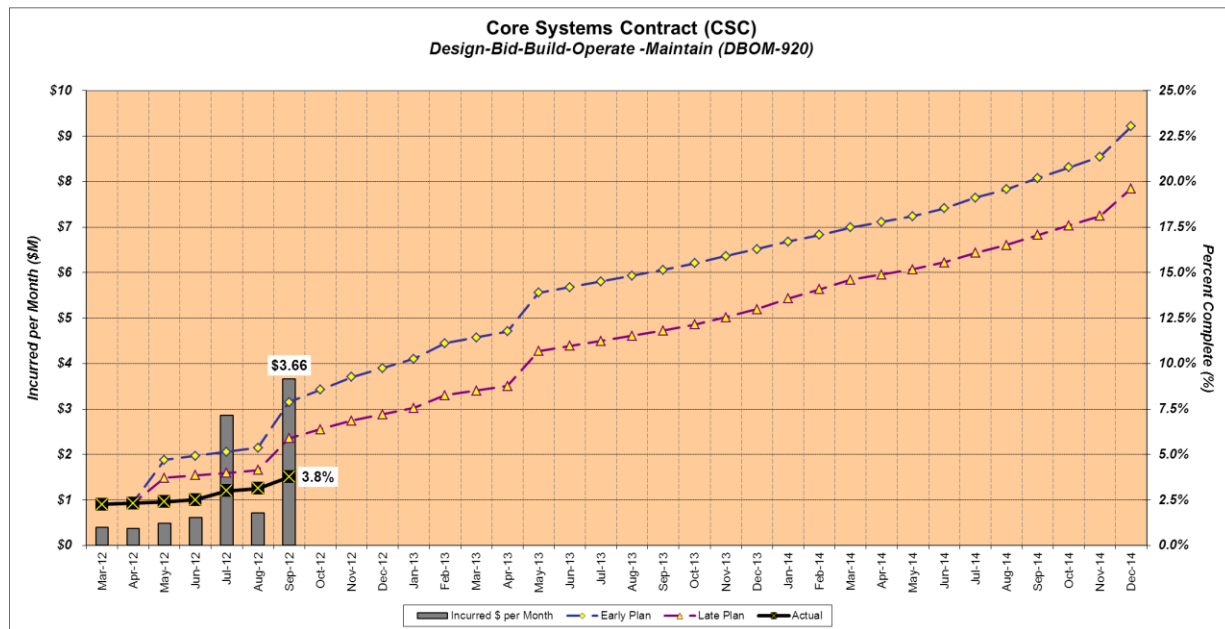
¹ Commitment as of 9/28 = Contract value (excluding contingency and \$823.6 M O&M budget) + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 9/28= NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of September 28 is 3.8%, versus the early plan of 5.9% and the late plan of 7.9%, as shown in Figure 23 below. In September, \$3.66 M was incurred. Design is 12% complete.

Figure 23. Core Systems Contract (CSC)



- Activities this month**

- HART-AHJV met to resolve outstanding review comments on AHJV Baseline Progress Schedule.
- AHJV continues to participate in Interface meetings and to issue/respond to Requests for Interface Data (RFIDs) and to coordinate fixed-facility contractor interfaces.
- Reviewing AHJV vehicle design, project management, quality and safety-security deliverables.
- HART continues to meet weekly with AHJV to review Core Systems progress.

- Look Ahead**

- Finalize the Baseline Progress Schedule and Schedule of Milestones based on data date status scheduled as of November 30.
- AHJV to revise and respond to HART comments on the Definitive Design submittals.
- Resolve interface issues with fixed facility contractors, particularly MSF and FHSG design.
- AHJV to submit Fire Protection Definitive Design package.
- AHJV to incorporate HART comments on submitted project plans, including the Quality Assurance (QAP) and Interface Management (IMP) Plans.
- Vehicle and other subsystem Definitive Designs.
- Sub-contract remaining subsystems suppliers, most importantly, vehicle sub-suppliers.
- Continue progress and interface meetings.

3.4 Manufacture-Install-Maintain (MIM) Contract Status

Contract MI-930: Elevators and Escalators (EE)
EE Contractor: TBD
Planned Completion: November 2017

- **Contract Progress**

- HART is evaluating Request for Proposal (RFP) Part 1 Qualifications packages submitted on October 25.
- Final determination and approval of the Priority List of Offerors for RFP Part 2 is scheduled for November 8.
- RFP Part 2 Technical Documents are being prepared.
- RFP Part 2 issuance is scheduled for November 21.

3.5 Design-Bid-Build (DBB) Contracts Status

Activities relate to HART, General Engineering Consultant (GEC) and Final Design (FD) Consultant activities for the subject contracts, since no DBB Construction contract has been awarded to date.

3.5.1 Station DBB Contracts Status (Executed and In Negotiation)

Contract DBB-170: West Oahu Station Group Construction (WOSG) Construction			
Contractor FD-140: URS, Final Design Consultant (Engineer of Record)			
Committed: ¹	\$7,789,000	Incurred to date:	\$0 (0.0%)
Authorized: ²	\$2,391,177 (30.7%)	Construction Docs Bid-Ready:	December 2013

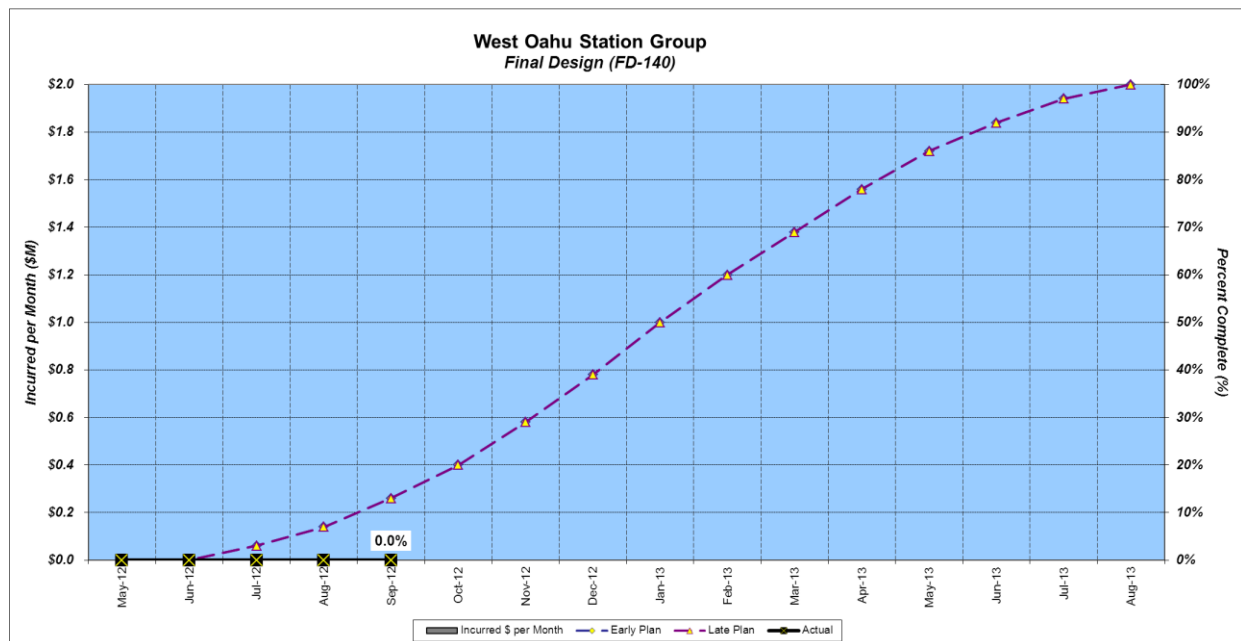
¹ Total Commitment as of 9/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 9/28= NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of September 28 is 0.0%, versus early and late plans of 13.0%, as shown in Figure 24 below. No contract cost has been incurred to date. Design is 25% complete. Progress on this contract lags the estimated plan due to URS' previous inability to submit invoices prior to HART acceptance of the Schedule of Milestones, which has since been approved. The actual progress curve will be updated to reflect this approved baseline.

Figure 24. West Oahu Station Group (WOSG) Final Design



- Activities this month**

- The Schedule of Milestones, Baseline Schedule and Quality Assurance Plan (QAP) have been approved.
- HART continues to hold weekly project progress meetings with URS.
- URS is working on the Preliminary Engineering (PE) design update.

- Look Ahead**

- Hold the first Interface meeting with Core Systems and continue transition into station interface.
- Continue work on station design.
- Develop the scope and cost estimate for provisions to accommodate the second elevator.

Contract DBB-270: Farrington Highway Station Group (FHSG) Construction**Contractor FD-240: HDR Engineering, Inc., Final Design Consultant (Engineer of Record)**Committed:¹ \$8,008,045

Incurred to date: \$4,953,260 (61.9%)

Authorized:² \$7,110,556 (88.8%)

Construction Documents

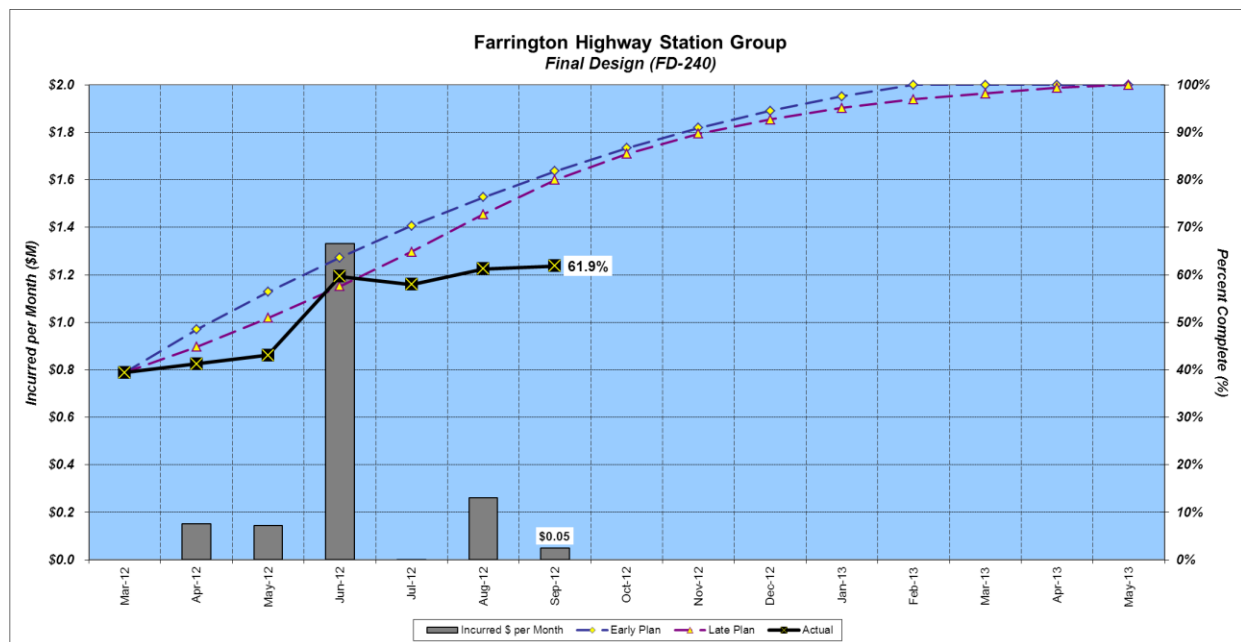
Bid-Ready: December 2013

¹ Commitment as of 9/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.² Total Authorized for Expenditure (AFE) as of 9/28= NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of September 28 is 61.9%, versus the early plan of 81.8% and the late plan of 80.0%, as shown in Figure 25 below. In September, \$0.05 M was incurred. Progress lags the plan due to delay in resolving outstanding design and interface issues; HART and HDR are evaluating a 60-day no-cost schedule extension.

Figure 25. Farrington Highway Station Group (FHSG) Final Design



- Activities this month**

- On-going Interface coordination with Core Systems and WOFH.
- Continuing to address Designer Requests for Information (RFIs) and Interface Data (RFIDs).
- Continuing to hold regular weekly design progress meetings.
- HART completed review of the 50% Interim Design submittal documents.
- Continuing to review the third-party (Billings Jackson) design submittal.

- Look Ahead**

- HDR submittal for schedule extension.
- Continue regular weekly design progress meetings.
- Determine third-party design to be incorporated into design documents.
- Continue to address outstanding RFIs and RFIDs.
- Start the Interim Design Cost Estimate.

Contract DBB-370: Kamehameha Highway Station Group (KHSB) Construction Contractor FD-340: TBD, Final Design Consultant (Engineer of Record) Construction Documents Bid Ready: December 2013

Final Design contract negotiations are ongoing. Contract award and NTP 1a are scheduled for early November.

Contract DBB-470: Airport Station Group (ASG) Construction Contractor FD-440: TBD, Final Design Consultant (Engineer of Record) Construction Documents Bid Ready: April 2014
--

Final Design contract negotiations are ongoing. Contract award and NTP 1a are scheduled for early November.

3.5.2 Guideway and Utilities DBB Contracts (Executed and In Negotiation)

Contract DBB-505: Airport Section Utilities Construction Contractor FD-430: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record) Construction Documents Bid-Ready: August 2013
--

Utilities relocation and engineering services for roadway improvements will be completed by AECOM prior to the start of Airport guideway construction (DBB-520). This contract repackages the previous Airport Guideway and Utilities Construction contract (DBB-460).

Contract DBB-510: City Center Section Utilities Construction Contractor FD-530: AECOM Technical Services, Inc. Final Design Consultant (Engineer of Record) Construction Documents Bid-Ready: October 2013
--

Utilities relocation and engineering services for roadway improvements will be completed by AECOM prior to the start of City Center guideway construction (DBB-520). This contract repackages the previous City Center Guideway and Utilities Construction contract (DBB-560).

Contract DBB-520: Airport and City Center Sections Guideway Construction Contractor FD-430 and FD-530: AECOM Technical Services, Inc. Final Design Consultant (Engineer of Record) Construction Docs Bid Ready August 2014
--

Airport and City Center sections guideway final design will be completed by AECOM and added to the bid package of the Airport and City Center Sections Guideway Construction contract (DBB-520). This contract repackages the previous Airport and City Center Guideway and Utilities Construction contracts (DBB-460 and DBB-560).

Contract FD-430 Airport Section Guideway and Utilities Final Design**Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)**Committed:¹ \$38,840,960

Incurred to date: \$10,906,397 (28.1%)

Authorized:² \$31,066,791 (80.0%)

Construction Documents Bid-Ready:

Utilities March 2013

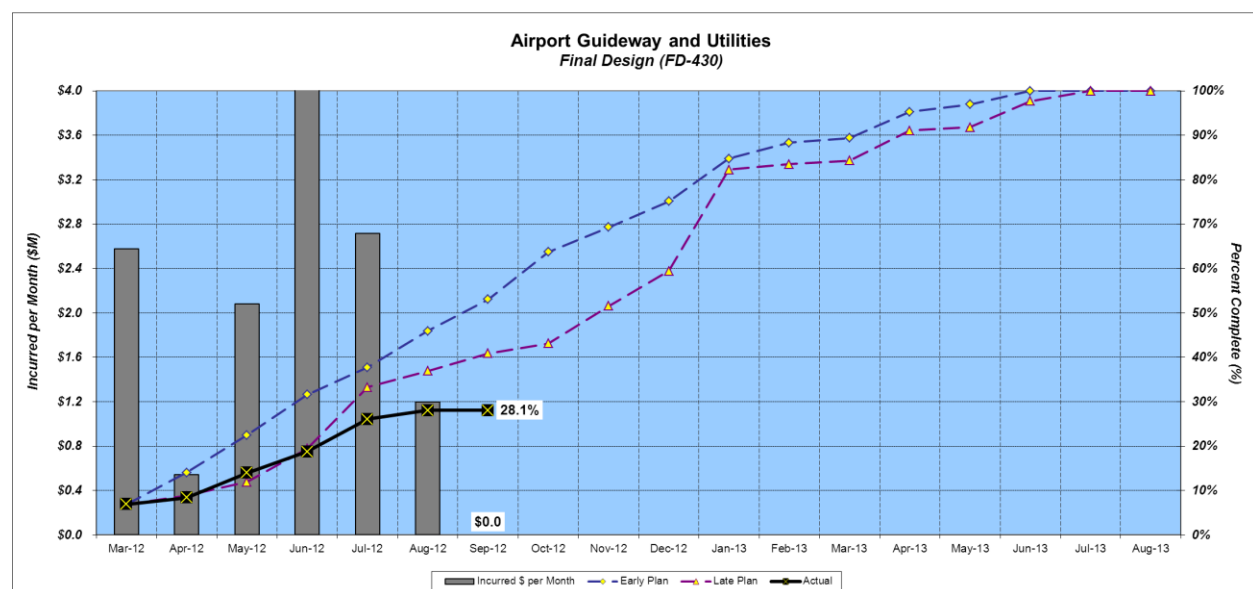
Guideway April 2014

¹ Commitment as of 9/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.² Total Authorized for Expenditure (AFE) as of 9/28= NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of September 28 was 29.3%, versus the early plan of 53.0% and the late plan of 36.9%, as shown in Figure 26 below. AECOM's invoice for cost incurred during the billing period ended September 28 was received after the cut-off date for this report and will be included in next month's report.

Figure 26. Airport Guideway and Utilities Final Design



- Activities this month**

- A meeting with HDOT Highway and Airport was held on October 25. These meetings will continue bi-weekly.
- Continued interface meetings with Core Systems.
- Continued Interim Design (ID).
- AECOM submitted schedule reflecting separate packaging of the Airport Utilities and Guideway.

- Look Ahead**

- Continue to coordinate utility stakeholder; meeting scheduled with HECO in November.
- Interim Design development is in progress.
- Continue environmental and interface coordination.

Contract FD-530: City Center Section Guideway and Utilities Final Design **Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)**

Committed: ¹	\$43,948,220	Incurred:	\$0	(0.0%)
Authorized: ²	\$ 537,870 (1.2%)	Construction Documents Bid-Ready:		
		Utilities August 2013		
		Guideway April 2014		

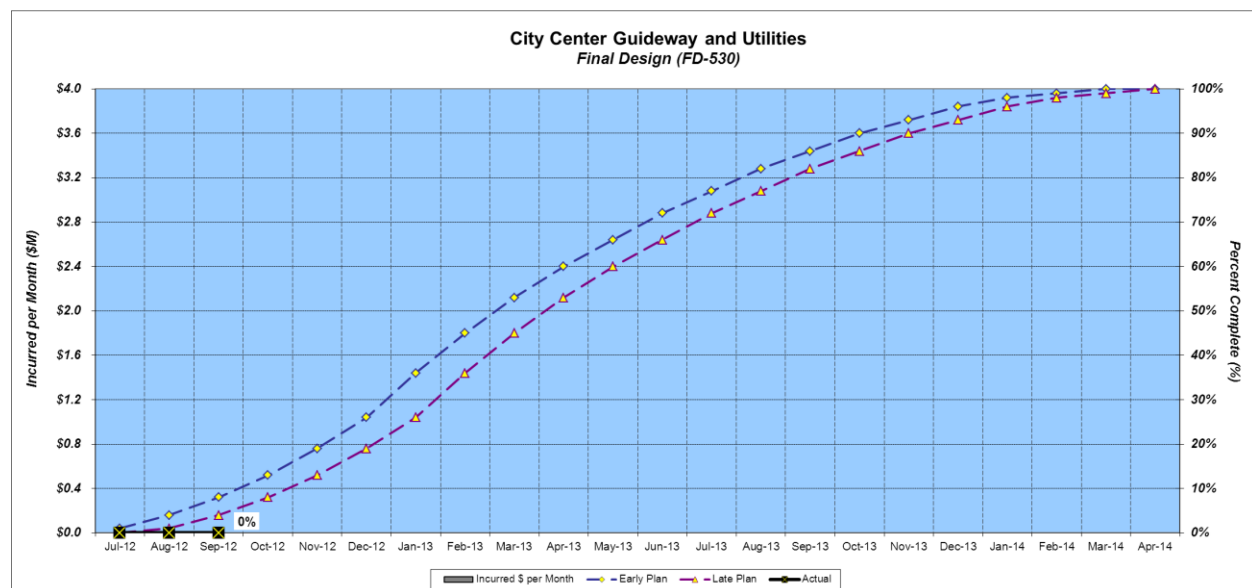
¹ Commitment as of 9/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 9/28= NTP dollar values + executed Change Orders.

Contract Status

This contract for engineering services during construction was awarded on July 30 and Notice to Proceed 1a (NTP 1a) was issued on July 31. NTP 1b to update Preliminary Engineering, planned to be issued on September 23, is still pending. This contract is to be combined into the Airport and City Center Guideway Construction contract (DBB-520).

Figure 27. City Center Guideway and Utilities Final Design



Activities

- The Schedule of Milestones was approved.
- The Draft Baseline Schedule was submitted for HART review.
- Continued to provide alternative design refinements to avoid existing building impacts in coordination with the Archaeological Inventory Survey (AIS) effort.
- AECOM is observing AIS trenching to record existing geotechnical information.
- Issued Notice to Proceed #1b (NTP 1b) on October 25, authorizing Preliminary Engineering revisions.

Look Ahead

- Finalize the Project Schedule for HART review.
- Schedule and hold Stakeholder Presentation, tentatively scheduled for November 28.
- Preliminary Engineering Design development.
- Establish coordination meetings with various utility stakeholders.

3.6 Construction Engineering and Inspection (CE&I) Services Contract Status

Contract MM-180 West Oahu and Farrington Highway Station Groups Construction Engineering and Inspection (CE&I) Services

Contractor: TBD

Construction Documents Bid Ready August 2013

- **Contract Status**

Offerors submitted responses on August 31 to the Request for Qualifications (RFQ) for the West Oahu and Farrington Highway Group (6 stations). Evaluation is currently on hold pending cancellation, due to contract re-packaging. Issuance of a new RFQ for these 6 stations plus the 3 stations and H2R2 ramp of the Kamehameha Highway Station Group is scheduled for November 15.

3.7 Utility Agreements

- **Activities this month**

- WOFH section:

- Some of the Utility Construction Agreements (UCAs) executed with: AT&T, Hawaiian Electric Company (HECO), Oceanic Time Warner Cable (OTWC), Pacific LightNet, Inc. (PLNI) and The Gas Company (TGC) will require amendments to include Buy America requirements. Agreements with utility owners whose work is substantially complete will not be amended.
- The UCA with Sandwich Isles Communication (SIC), while not required, is expected to be executed this fall.
- The Hawaiian Telcom (HT) UCA has not yet been executed. HT was reviewing a version of the agreement that transferred construction scope to the DB contractor (as requested by HT per the HECO agreement). However, recent discussions have resulted in returning to HT performing the construction and a revised agreement template, which is currently under HT review. This agreement should be executed by year end.

- KHG section:

- All Engineering Service Agreements (ESAs) required for KHG have been executed, with: AT&T, Chevron, HT, OTWC, SIC, PLNI, Tesoro, TGC and tw telecom.
- The UFRCA with HECO for the KHG section has been executed.
- The draft UCA, incorporating Buy America requirements, was transmitted to Tesoro for review.

- Airport and City Center sections:

- All ESAs for the Airport and City Center sections have been transmitted to the utility owners for review and comment. The following utility owners have reached agreement with HART on Terms and Conditions (T&C) and have agreements are in the execution queue: Chevron, OTWC and tw telecom.
- The Bridging Agreement for the Airport section has been executed with HECO.
- The Draft Bridging Agreement for the City Center section is under HECO review.

- **Look Ahead**

- Transmit the remaining draft UCAs to utility owners in the KHG section. HART is now ready to proceed after some initial delays in completing drafts due to the recent addition of Buy America requirements to construction agreements.

See Figure 28 on the next page for the latest Utility Agreements Status Matrix.

Figure 28. Utility Agreements Status Matrix (by section)

Utility Agreements Status Matrix									
Utility Owner	Status	WOFH		KHG		Airport		City Center	
		ESA	UCA	ESA	UCA	UCA	COMBINED ESA		UCA
AT&T	Executed	May 11, 2011	Dec 20, 2011	May 18, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	May 12, 2011	Dec 21, 2011						
Chevron	Executed	Dec 4, 2009		Nov 4, 2011	Preparing draft		Reached agreement on T&C; awaiting execution		
	NTP	Dec 22, 2009		Nov 15, 2011					
Hawaiian Telcom	Executed	May 20, 2010	Back to HT to self-performing scope; HT reviewing new draft	May 10, 2012	Preparing draft		Close to agreement on T&C; awaiting final comments from utility		
	NTP	June 14, 2010							
HECO	Executed	By Agreement with PB	Apr 20, 2012	July 12, 2012			Interim Bridging Agreement for Airport executed; City Center draft under HECO review		
	NTP								
Oceanic Time Warner	Executed	Dec 8, 2009	Dec 21, 2011	Jan 9, 2012	Completed draft under COR review		Agreement signed by utility; awaiting execution		
	NTP	Dec 22, 2009							
Pacific Lightnet	Executed	Apr 28, 2010	Mar 12, 2012	Feb 15, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	Apr 29, 2010	Mar 13, 2012	Feb 16, 2012					
Sandwich Isle Communications	Executed	May 20, 2010	Not needed (no scope on WOFH section)	Apr 20, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	Jun 8, 2010							
The Gas Company	Executed	Dec 18, 2009	Jun 30, 2011	Jun 1, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	Dec 22, 2009	Jul 12, 2011						
tw Telecom	Executed	Dec 2, 2009		Feb 14, 2012	Preparing draft		Agreement signed by utility; awaiting execution		
	NTP	Dec 22, 2009		Feb 16, 2012					
Tesoro	Executed			Feb 15, 2012	Sent draft to utility for review		Final draft transmitted to utility		
	NTP			Feb 16, 2012					
Legend:		= Action this month		COR = Corporation Counsel		UCA = Utility Construction Agreement			
		= Not applicable		ESA = Engineering Services Agreement		UFCRA = Combined Engineering and Construction Utility Agreement			

3.8 Permits

- **Activities this month**
 - Significant permits issued to HART for all contract sections:
 - The State of Hawaii Department of Health (DOH) Clean Water Branch issued 10 administrative extensions to cover HART's active National Pollutant Discharge Elimination System (NPDES) permits. This extends HART's existing Notice of General Permit Conditions (NGPC), set to expire on October 21, until official permit extensions can be issued.
 - Significant permits issued to HART for the Airport section:
 - The DOH Indoor and Radiological Health Branch approved extensions for both the Community Noise Permit and Community Noise Variance for AIS work continuation.
- **Look Ahead**
 - Upcoming significant permit activity:
 - The DOH Clean Water Branch NPDES Form G-Dewatering Permit for the WOFH section is still needed to perform dewatering for permanent shaft activities.
 - The application for the NPDES general permit for City Center pre-construction work is being prepared for submittal by the end of 2012.
 - Clean Water Act (CWA) Section 401 Water Quality Certification and Section 404 Permit applications for work at the Waiawa Stream and Tributary are being prepared for submittal by the end of 2012.
 - Apply for the nationwide permit #6 for water geotechnical borings in the Airport section.

3.9 Hawaii Department of Transportation (HDOT) Agreements

- **Activities this month**
 - Alignment-wide, the HDOT Traffic Management Consultant (contract MM-915) continues to review traffic signals, ITS and construction MOT for HDOT. An amendment is being processed to reduce the total aggregate contract amount to be in alignment with the baseline budget for contract MM-915.
 - The HDOT Design Coordination Consultant for WOFH (contract MM-920), AECOM Technical Services, Inc. (AECOM), continues to review design submittals for HDOT. An amendment to reduce the total aggregate contract amount was executed. The amended contract amount is in alignment with the baseline budget for contract MM-920.
 - SSFM, the HDOT Design Coordination Consultant for the Airport guideway (contract MM-922), is reviewing Airport design submittals for HDOT. An amendment to reduce the total aggregate contract amount executed. The amendment amount is in alignment with the baseline budget for contract MM-922.
 - SSFM is the intended HDOT Design Coordination Consultant for the City Center guideway (contract MM-923). The Airport consultant contract allows HART the option to expand the scope of services to include City Center section.
 - KHG section:
 - The KHG Master and Joint Use & Occupancy (JUO) Agreements await resolution of HDOT comments regarding assignment to HART. HART is scheduling a meeting with HDOT to have attorneys from both sides discuss assignment issue.
 - AECOM, the HDOT Design Consultant for KHG (contract MM-921), continues to review KHG design submittals for HDOT, with an amendment executed to reduce the total aggregate fee to be in alignment with our current budget forecast
- **Look Ahead**
 - Execute the KHG Master and JUO Agreements.
 - Process amendment with SSFM to expand scope to include review of City Center section.
 - Execute HDOT Traffic Management Consultant (contract MM-915) amendment.

3.10 Other Design Activities

- **Activities this month**
 - Continued supporting the WOFH, KHG, MSF, FHSG, WOSG, Airport and City Center Utility and Guideway contracts by reviewing submittals and responses to Requests for Information (RFIs) and Requests for Change (RFCs) and attending design meetings.
 - Interchange Access Modification Requests (IAMRs) to the State of Hawaii Department of Transportation (HDOT) for State highway access to/from planned rail stations and facilities:
 - Preparing the Final submittal of the IAMR for emergency access at MSF to HDOT
 - Completed draft traffic analysis report for Pearl Highlands.
 - Evaluating options for the proposed relocation of the Middle Street Transit Center station.
 - Further developing Waiawa Stream bank protection and Pearl Highlands Station, Transit Center and Parking Garage scour protection concepts and Best Management Practices (BMPs) for Clean Water Act (CWA) Section 401 Water Quality Certification and Section 404 Permit applications.
 - Completed draft Compendium of Design Criteria and Standard Specification revisions
 - Developed alternative engineering concepts to accelerate the AIS schedule.
 - Evaluating a separate design and construction canopy contract.
 - Finalizing directive drawings for the Elevator/Escalator procurement contract.
 - Continued standardizing design elements.
- **Look Ahead**
 - Continued support of the WOFH, FHSG, KHG and MSF contracts on submittal reviews and RFI-RFC responses.
 - Prepare and submit Standard and Directive drawings for HART review and comment.
 - Continue developing Pearl Highlands bank and scour protection concepts and complete 401 and 404 water quality permit exhibits.

3.11 Interface

- **Activities this month**
 - Requiring interfacing contractors to provide need/delivery dates for Interface Control Documents (ICDs) elevated to HART for review and direction.
 - Finalized risk assessment guidelines for ICDs and Requests for Interface Data (RFIDs) elevated to HART.
 - Continued developing tracking tool for HART Issues.
 - Interfacing with adjoining Contractors on KHSG, ASG and EE.
 - A total of 490 RFIDs have been submitted (269 closed).
 - A total of 29 Interface Issues have been elevated (12 new, 2 closed, -7 on hold and 8 OSR).
 - Reviewed and decided on 2 elevated issues:
 - Issue 31 – KHG Superstructure (on hold).
 - Issue 18 – MSF OSB Foundations and Structures (on hold).
 - Facilitated 24 interface meetings with various contractors.
- **Look Ahead**
 - Continue developing tracking tool for elevated Issues, including RFIDs, ICDs, and construction hold points.
 - Continue monitoring contractor RFIDs and ICDs pertaining to the Final Design Baseline (Revision 0).
 - Continue interfacing with adjoining contractors on KHSG, ASG and EE.
 - Transition interface responsibilities from HART to WOSG.

4 GROUP REPORTS

4.1 Safety and Security

- **Activities this month**
 - The H RTP had no construction safety or security issues in October. See Figure 29 below for a summary of issues to date.
 - Safety and Security assisted training and protective equipment for the Cultural Monitors.
 - HART is working with the Honolulu Police Department (HPD) to review: the updated Threat and Vulnerability Assessment (TVA), construction security, respective areas of jurisdiction of the HPD, Sheriff and Transportation Security Administration (TSA) Airport and Surface divisions and drills.
 - HART finalized the Airport TVA with TSA Airport, TSA Federal and airline representatives.
 - HART Safety met with the Construction Safety Manager to review incidents, incident data and proactive plans and update all plans.
 - HART Safety continues to hold a weekly Core Systems Safety Meeting with Core Systems Contractor Ansaldo Honolulu Joint Venture (AHJV).
 - HART reviewed AHJV submittals for compliance and technical specifications.
- **Look Ahead**
 - Continue to review and edit the Sensitive Security Information Plan (SSIP) submittal.
 - Continue to hold safety meetings with contractors, particularly AHJV, committees and staff.
 - Finalize HART review of the updated TVA.
 - On-going discussion of security concerns with the TSA, HPD and Honolulu Fire Department (HFD) and of Emergency Plans with Emergency Responders and Emergency Management.

Figure 29. Construction Safety Monitoring - Safety and Security Issues

Period/Date	Contract	No. & Type of Event	Comments
2011	----	1 in 2011	
January		2 in January	
February		2 in February	
March	KHG	1 in March	
April	WOFH-KHG	5 in April	
May	WOFH-KHG	5 in May	
June	WOFH-KHG	1 in June	
July	WOFH	3 in July	
August	WOFH	3 in August	
September	----	0 in September	
October	----	0 in October	
2012	----	23 to date in 2012	

4.2 Quality Management

- **Activities this month**

- Conducted weekly meeting with HART-GEC Quality Assurance (QA) staff to discuss overall Project QA/Quality Control (QC) issues with consultants, sub-consultants, contractors, sub-contractors and internal staff.
- Continued training and mentoring HART employees to ensure project participants are familiar with the latest approved plans and procedures, updating the Training Matrix accordingly.
- Updating and implementing the QA Audit Schedule for 2012 and started preparing for 2013.
- Conducted Bi-weekly QA Task Force meetings with contractor and consultant QA teams to status of design activities, field work, NCRs and quality compliance and improvement.
- GEC II (Parsons Brinckerhoff, Inc. [PB]):
 - Revising Quality Assurance Plan (QAP), Revision 1, including Quality Procedures.
 - Performed 3 internal QA Surveillances of PB activities.
 - Performed QA Surveillance of the Archaeological Inventory Survey (AIS) contractor, Cultural Surveys Hawaii, on October 8 and 9.
 - To date, 1 NCR has been issued (closed).
- West Oahu/Farrington Highway Guideway (WOFH) – Kiewit Infrastructure West Co. (KIWC):
 - Participated in discussions regarding Construction Stop Work Order and QA activities.
 - To date, 59 NCRs have been issued: 51 by KIWC (9 open) and 8 by HART-GEC (all closed).
- Maintenance and Storage Facility (MSF) – Kiewit Kobayashi Joint Venture (KKJV):
 - Planning for QA Audit of Rocky Mountain Steel (rails) and Nortrak (turnouts), Pueblo, CO and of LB Foster-CXT, Spokane, WA.
 - Conducted Environmental Audit on October 2 (no NCR issued).
 - To date, 1 NCR has been issued (closed).
- Kamehameha Highway Guideway (KHG) – KIWC:
 - Conducted Environmental Audit on October 5 (no NCR issued).
 - To date, 5 NCRs have been issued (all closed).
- Core Systems Contract (CSC) – Ansaldo Honolulu Joint Venture (AHJV):
 - Attended and participated in the CSC Coordination Meetings.
 - Continuing review of Quality Plans of AHJV-approved sub-contractors.
- Farrington Highway Stations Group (FHSG) – HDR Engineering, Inc. (HDR):
 - Conducted Environmental Audit on October 5 (no NCR issued).
 - To date, 4 NCRs have been issued (all closed).
- Airport Guideway and Utilities (Airport)– AECOM Technical Services, Inc. (AECOM):
 - Conducted Environmental Audit on October 5 (no NCR issued).
- City Center Guideway and Utilities (City Center) – AECOM:
 - Discussing AECOM QAP preparation in conjunction with the Airport Guideway contract.
- West Oahu Stations Group (WOSG) – URS Corp. (URS):
 - Approved URS QAP Revision 0.

- **Look Ahead**

- Continue mentoring and training personnel on revised approved Project Plans and procedures.
- Continue QA/QC and Environmental Compliance Oversight of the WOFH, KHG, MSF, FHSG, Airport, City Center, WOSG and Core Systems contracts.
- Implement and update the 2012 QA Audit Schedule and continue to prepare the 2013 QA Audit Schedule.
- Follow up on and close corrective and preventative actions on all NCRs and Observations issued.
- Review Contractor/Consultant QAP and implementing procedure updates.

4.3 Right-of-Way

- **Activities this month**
 - Acquisitions:
 - Offers have been accepted for TMK 9-8-009-017, required for the Pearl Ridge Station, and TMK 1-7-2-026, the site of the Chinatown Station.
 - Initiated the appraisal process for TMK 1-1-016-007, a partial take for the Airport Guideway.
 - See Figure 30 on the next page for a summary of acquisitions to date.
 - Relocations
 - Completed tenant relocations for TMK 1-2-009-001, the Kalihi Station site.
 - All Banana Patch residential relocations are complete.
 - See Figure 31 on the next page for a summary of relocations to date.
 - Third-Party Agreement status to date is set out in Figure 32 on page 52.
- **Look Ahead**
 - West Oahu Farrington Highway Guideway (WOFH) section:
 - Secure a consent to enter to initiate work on TMK 9-6-004-006 within the Banana Patch while negotiations continue on property acquisition.
 - Re-appraise TMK 1-9-4-047-008, a partial take for the West Loch Station.
 - Kamehameha Highway Guideway (KHG) section:
 - Continue negotiations for partial takes associated with TMKs 9-7-023-008, TMK 9-7-022-008 and TMK 9-7-022-021.
 - Relocate the remaining business from TMK 9-8-010-002 in November.
 - Airport and City Guideway sections:
 - Work with the 7 remaining property owners to gain consent to enter for the AIS.
 - Begin the appraisal for TMK 1-1-016-007, a partial take along Waiwai Loop.
 - Continue negotiations for TMK 1-5-007-021 and TMK 1-2-010-068, full takes for the Kalihi and Iwilei Stations, and a partial take associated with TMK 1-2-009-017.
 - Initiate appraisal reviews for TMK 1-1-016-015; TMK 1-1-016-014; TMK 1-016-006 and TMK 1-1-016-005 along Waiwai Loop.

Figure 30. Right-of-Way Status

Section	Original # Parcels in FEIS	Current # Parcels Needed	Agreements In Process	Appraisals in Process	Offers	Acceptance	Ready for Construction
FULL ACQUISITION							
Total	40	38	0	5	5	4	16
WOFH	14	14	0	0	1	0	13
KHG	5	3	0	0	1	2	1
Airport	5	5	0	4	0	0	0
City Center	16	16	0	1	3	2	2
PARTIAL ACQUISITION							
Total	163	133	8	0	5	1	7
WOFH	18	10	2	0	1	0	6
KHG	21	7	4	0	3	0	0
Airport	31	34	2	0	0	0	1
City Center	93	82	0	0	1	1	0
EASEMENTS							
Total	12	13	4	0	0	0	3
WOFH	6	6	3	0	0	0	3
KHG	0	1	1	0	0	0	0
Airport	1	1	0	0	0	0	0
City Center	5	5	0	0	0	0	0
GRAND TOTAL	215	184	12	5	10	5	26

FEIS = Final Environmental Impact Statement, June 2010

Figure 31. Relocation Status

	Total Relocations	Initiated	90-day Notice	30-day Notice	Relocations Complete
Residential	26			0	26
WOFH	25			0	25
City Center	1				1
Business	66	10	1	1	11
WOFH	5	1	1		3
KHG	4		0	1	3
Airport	7	6			
City Center	50	3	0		5
Not-For-Profit	1				1
WOFH	1				1
TOTAL	93	10	1	1	38

Figure 32. Third-Party Agreement Status

Agreement	Completion	Target	Section	Status
University of Hawaii (UH) Master Agreement	Pending	Nov 2012	WOFH, KHG, City Center	Tentative agreement in place, on path to secure property access
Leeward Community College (LCC) Sub-agreement	Pending	Nov 2012	WOFH	Property appraisal complete
UH West Oahu (UHWO) Sub-agreement	Pending	Nov 2012	WOFH	Property appraisal complete
Department of Land and Natural Resources (DLNR)	Pending	Nov 2012	WOFH	Scheduled for the November Land Board approval
Department of Education Master Agreement and Consent to Construct	Feb 8, 2011		WOFH	Executed
DR Horton Agreement	Mar 7, 2012		WOFH	Executed
DHHL Master Agreement	Mar 10, 2010		WOFH, MSF	Executed
DHHL Consent to Construct	Dec 1, 2011		WOFH, MSF	Consent to construct in place until license agreement/property transfer
DHHL License or Property Transfer	Pending	Dec 2012	WOFH, MSF	DHHL reviewing license, discussions with City on property transfer
HDOT Master Agreement	Oct 31, 2011		WOFH	Executed
HDOT Joint Use & Occupancy (JU&O) Sub-agreement	Apr 5, 2012		WOFH	Executed
UH Urban Garden Sub-agreement	Pending	Nov 2012	KHG	Property appraisal complete
HDOT Master Agreement	Pending	Nov 2012	KHG	Received comments, resolving issues
HDOT JU&O Sub-agreement	Pending	Nov 2012	KHG	Pending KHG Master Agreement completion
Aloha Stadium / Department of Accounting & General Services (DAGS)	Pending	Nov 2012	KHG	Aloha Stadium Board to review and approve finalized agreement
U.S. Navy / General Services Administration (GSA)	Pending	N/A	Airport	Navy consents to enter until easements in place; Pearl Harbor Station fee taking progressing
U.S. Post Office Honolulu Processing Center	Pending	Jan 2013	Airport	Request initiated to secure easement for Post Office Property
Federal Aviation Administration (FAA) Master Agreement	Pending	Jul 2013	Airport	As design progresses, determination will be made if agreement is required
HDOT Master Agreement	Pending	Apr 2013	Airport	Pending
HDOT JU&O Sub-agreement	Pending	May 2013	Airport	Pending Master Agreement
HDOT Master Agreement	Pending	Jun 2013	City Center	Pending KHG Master Agreement
HDOT JU&O Sub-agreement	Pending	Jul 2014	City Center	Pending Master Agreement
Honolulu Community College (HCC) Sub-agreement	Pending	Oct 2014	City Center	Property appraisal completed
Federal Court House/GSA	Pending	Oct 2014	City Center	Reviewing draft; monthly meetings with parties.
HI Community Development Agreement (HCDA)	Pending	Oct 2014	City Center	Pending City Center guideway final design.
DAGS	Pending	Oct 2014	City Center	Pending guideway final design.

4.4 Planning and Environment

- **Activities This month**
 - Programmatic Agreement (PA) [by PA Stipulation number]
 - II. Traditional Cultural Properties (TCPs)
 - City Center TCP studies are underway and completion is expected in 2013.
 - III. Identification and Protection of Archaeological Sites and Burials-Archaeological Inventory Surveys (AIS) estimated during the month:
 - Phase 3 (Airport) AIS: All 40 trenches originally planned have been completed, with 22 completed in October.
 - Phase 4 (City Center) AIS: 155 of 232 trenches have been completed to date, with 59 completed in October.
 - V. Recordation and Documentation: Historic American Buildings Survey/ Historic American Engineering Record/ Historic American Landscape Survey (HABS/HAER/HALS) [including required photo recordation of adversely affected historic properties activities and submission to the National Park Service (NPS)]
 - Documentation for historic bridges in the WOFH and KHG sections has been completed and is either undergoing review with the National Park Service and/or awaiting submittal to the Library of Congress and Hawaii State Historic Preservation Division (SHPD). Stream bridges for which documentation has been completed are: Honouliuli, Waikele, Waiawa, Waimalu, Kalauao and Kalauao Springs.
 - Photo documentation for additional historic properties is in progress, with most to be completed in November.
 - VI. National Register of Historic Places/ National Historic Landmark Nominations:
 - Preparation of National Register nomination forms for adversely affected historic properties is in progress.
 - IX. B. Historic Preservation Program:
 - The Historic Preservation Committee (HPC) will meet again on December 11.
 - XIV. Administrative:
 - The Quarterly Meeting for Consulting Parties is scheduled for November 1.
 - The HART Cultural Monitoring Program (not required by federal or state law or the PA) was initiated for the City Center AIS work as of the week of October 14.
 - Mitigation Monitoring Program (MMP)
 - Monthly and quarterly reporting on MMP Mitigation Measure IDs (MMIDs) continues. Internal July, August and September monthly reports were completed in preparation for the Quarterly Report (July-Sept), submitted to FTA on October 26.
 - HART and The Outdoor Circle (TOC) had a meeting on October 17. HART continues to work with TOC to reduce impacts to community trees, identifying transplant locations and design avoidance options
 - The Koʻoloaʻula (*Abutilon menziesii*) Memorandum of Agreement (MOA) between HART, HDOT and DLNR is currently at DLNR for signature. To date, no Koʻoloaʻula have been identified in the project footprint.
 - Planning Activities
 - The Coastal Zone Management (CZM) Consistency Assessment submitted to the State Office of Planning, CZM Program on July 5 has been given conditional approval pending completion of the AIS work. This status does not impact the project schedule.
 - HART and DPP continue to conduct monthly meetings to discuss Transit-Oriented Development (TOD) around the future transit stations, with a meeting held on September 21.
 - As a stakeholder in the Hawaii Transportation Reform Demonstration Project - State Agency Transit Oriented Development, HART attended the first of 3 meetings in August and, with DPP, held a pre-meeting with the Office of Planning, Smart Growth America and Strategic Economics. These meetings provide an overview on the project and identify stakeholder concerns and questions. The September meeting focused on TOD strategies. The final meeting is scheduled for October.

- Monthly HART Sustainability Committee Meetings continue as the team works to identify ways to improve the support of green features project-wide.
- **Look Ahead**
 - Expedited AIS work is in progress for both the Airport and City Center sections.
 - The City Center TCP study has begun and will extend into early 2013.
 - HABS/HAER/HALS documentation and National Register nomination documentation for adversely affected historic properties continues.

4.5 Risk Management

- **Activities this month**
 - Risks in September include the reassessment of risks based on the August 24 Hawaii Supreme Court ruling on the Archaeological Inventory Survey (AIS). Risk are being reassessed to include AIS cost and schedule impacts.
 - The risk matrix in Figure 33 below is used to score and rank identified risks. Risks have been assessed on probability of occurrence and most likely cost and schedule impact, if occur. The rating is the average cost and schedule impact score multiplied by the likelihood score.
 - The top 10 risks in September are set out in Figure 34 on the next page.
 - As shown in Figure 35 on the next page, the September Top 10 Risks changed from those in August, due to a new high risk, #165, and the increase in rating for risk #28. Risks #143 and #157 were deleted and removed from the top 10. Risk 101 was removed from the top 10.
 - In September, 4 new project-wide risks were added, as shown in Figure 36 on page 57, and 5 new risks were subdivided from project-wide risk #161:
 - Risk #164: Lower contamination levels have been implemented by the Department of Health.
 - Risk #165: The inability to complete outstanding subsurface investigations will result in design being incomplete for the associated work areas. Once investigations are complete, it is estimated that it will take 4 months to finalize design.
 - Risk #166: The final decision to shift location cannot occur until after FFGA. Design would be able to continue if a decision were made to stay at the original location.
 - Risk #167: Court decision on August 24 resulted in a halt to construction anticipated to result in a 9- to 12-month delay. This risk covers the potential for additional delays. Work continues to mitigate delays and determine potential solutions for rights of entry.
 - Risk #161a: WOFH expects to issue completed drainage package prior to 2013 and expects to be grandfathered in. If final design is not complete prior to May 2013, the final designer will need to go back and perform additional design to meet the requirements.
 - Risk #161c: The City Department of Planning and Permitting (DPP) believes that if site/civil drawings are submitted as complete prior to May 2013, the previous requirements will be acceptable. MSF is about 1 month away from completion and HART wants to submit to DPP so that water quality requirements are met. Any redesign required for Core Systems will be able to be done at a later time.
 - In September, 7 risks were deleted from the Risk Register, as shown in Figure 37 on page 58.
 - Overall, in September, the total number of risks increased by 2, from 342 to 344 risks, as 9 risks were added and 2 risks deleted. See Figure 38 on page 58.
 - HART continues to work with the Owner-Controlled Insurance Program (OCIP) Consultant, Marsh USA, Inc., to identify and evaluate the insurable risks for the project and the agency.
- **Look Ahead**
 - Monthly contract/discipline specific risk workshops.
 - Update Risk Mitigation Plans for top risks.

Figure 33. Risk Matrix

Legend	Low (1)	Med (2)	High (3)	Very High (4)	Significant (5)
Probability	< 10%	10><50%	> 50%	75%	>90%
Cost	<\$250K	\$250K><\$1	\$1M><\$3M	\$3M><\$10	>\$10M
Schedule	< 1 Mths	1 ><3 Mths	3><6 Mths	6><12 Mths	> 12 Mths
Rating	<=3	3.1-9.49		>=9.5	

Figure 34. Top 10 Project Risks in September

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	Sept Risk Rating	August Risk Rating
165	10.04	Project Wide	Earth disturbing activities suspended pending approval of Project wide AIS delays design completion and results in additional costs.	90%	5	5	3	20	
60e	10.04	City Center Guideway	Given limited geotechnical information available at this time, additional costs may be incurred associated with final design through construction.	90%	5	5	3	20	20
126	60.01	ROW WOFH	Acquisition of commercial property at Pearl Highlands Station and Guideway is difficult and may delay schedule and increase costs. (Banana Patch)	90%	5	3	3	15	15
147	60.01	ROW	Late turnover of ROW to contractor may result in claims.	90%	5	4	2	15	15
58	90.00	Project Wide	HART may require changes to baseline documents resulting in formal change orders.	90%	5	5	1	15	12.5
28	40.04	Project Wide	Permits and approvals by other agencies may not be provided in a timely manner and delay the project - FAA, FHWA, Navy, DLNR, USACE, City and State.	75%	4	4	3	14	10
11b	40.02	KHG	There may be insufficient Utility company resources available to meet the design, approvals and/or construction schedule. (Public Utilities - water, sewer, storm drain)	75%	4	4	3	14	14
39	90.00	Project Wide	Contractors may not achieve contract required delivery dates of design information and construction interfaces to others.	75%	4	5	2	14	14
163	40.02	Project Wide	FTA requirement that all utility companies conform to Buy America requirements may cause delays and additional costs.	75%	4	5	2	14	14
56	40.02	Project Wide	BWS and/or HDOT may not grant waiver to leave in place existing utilities to be abandoned that are not impacted by new structures requiring partial or total removal.	75%	4	5	1	12	12

Figure 35. Risks Removed from the Top 10 in September

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	Sept Risk Rating	August Risk Rating
157	90.00	Project Wide	Delay to issue LONP2a results in additional cost and schedule impacts with the casting yard.						15
143	60.01	City Center Guideway	Inability to receive all required consents to enter to do archaeological investigation of interior buildings may cause delays to AIS.						12

Figure 36. New Risks for September

Risk ID	SCC Code	Contract Package	Risk Description	Cal Prob	Prob Rating	Cost Impact	Time Impact	Risk Rating
164	40.04	Project Wide	Changing requirements by agencies may delay Project and increase costs.	90%	5	3	2	12.5
165	10.04	Project Wide	Earth disturbing activities suspended pending approval of Project wide AIS delays design completion and results in additional costs.	90%	5	4	3	17.5
166	10.04	WOFH	Delayed decision on final location of Ho'opili station may impact design resulting in additional costs.	90%	5	2	3	12.5
167	10.04	Project Wide	AIS construction delays is longer than originally anticipated (9-12 months) due to AIS right of entries and/or find of iwi kapuna.	50%	3	5	3	12
161a	40.04	WOFH	Potential that DPP stormwater requirements that are to be adopted in May 2013 may require redesign of contracts not complete with final design.	10%	1	3	2	2.5
161b	40.04	KHG	Potential that DPP stormwater requirements that are to be adopted in May 2013 may require redesign of contracts not complete with final design.	10%	1	3	2	2.5
161c	40.04	MSF	Potential that DPP stormwater requirements that are to be adopted in May 2013 may require redesign of contracts not complete with final design.	10%	1	3	2	2.5
161d	40.04	Airport	Potential that DPP stormwater requirements that are to be adopted in May 2013 may require redesign of contracts not complete with final design.	75%	4	3	2	10
161e	40.04	City Center	Potential that DPP stormwater requirements that are to be adopted in May 2013 may require redesign of contracts not complete with final design.	75%	4	3	2	10

Figure 37. Risks Deleted in September

Current Risk ID	SCC Code	Contract Package	Risk Description	September 2012 Comments	Sept. Risk Rating	August Risk Rating
157	90.00	Project wide	Delay to issue LONP2a results in additional cost and schedule impacts with the casting yard.	Risk has been deleted. Delay costs for LONP2a are covered under the original delay costs due to the delays to NTPs. LONP2a was received May 17, 2012 which allows Kiewit to begin work on obtaining the site and perform construction.		15
143	60.01	City Center	Inability to receive all required consents to enter to do archaeological investigation of building interiors may cause delays to AIS.	Risk has been deleted since trenches have been relocated to outside buildings. The one remaining trench required to be done in the interior of the building has received a consent to enter.		12
65	10.04	WOFH	Late provision of design information for station structures.	Risk deleted due to duplication with risk #39a.		7.5
52	90.00	Project wide	City review of contractor submittals may take longer than the time contractor currently assumes, resulting in Contractor delays and claims.	Risk deleted. Contracts are based on a 28 day turn around. Any potential delays due to reviews are covered in risk #50.		9
52a	90.00	WOFH	HART review of contractor submittals may take longer than the time contractor currently assumes, resulting in Contractor delays and claims.	Risk deleted. Any potential delays due to reviews are covered in risk #50.		3
52b	90.00	MSF	HART review of contractor submittals may take longer than the time contractor currently assumes, resulting in Contractor delays and claims.	Risk deleted. Contract is based on a 28 day turn around. Any potential delays due to reviews are covered in risk #50.		1.5
52c	90.00	KHG	City review of contractor submittals may take longer than the time contractor currently assumes, resulting in Contractor delays and claims.	Risk deleted. Contract is based on a 28 day turn around. Any potential delays due to reviews are covered in risk #50.		6

Figure 38. Risks by Contract Package

Contract Packages	August 2012 # of Risks		September 2012 Update				
			Total # of Risks		Newly Sub- Divided Risks	New Risks	Deleted Risks
Project Wide	73	18	74	20*	0	3	2
WOFH	51		51		1	1	2
MSF	21		21		1	0	1
KHG	40		40		1	0	1
Core Systems Contract	22		22		0	0	0
Right of Way	9		9		0	0	0
Airport Guideway	53		54		1	0	0
City Center Guideway	57		57		1	0	1
Project Wide Stations	3		3		0	0	0
Farrington Highway Stations	2		2		0	0	0
West Oahu Stations	4		4		0	0	0
Kamehameha Highway Stations	3		3		0	0	0
Airport Section Stations	1		1		0	0	0
City Center Section Stations	3		3		0	0	0
Total	342	287	344	286*	5	4	7

*55 Project Wide risks were determined to be applicable to various contracts and have been sub-divided into those contracts and evaluated at the contract level. Total number of risks contained in the risk register is 344. There are a total of 286 risks when excluding the duplicated Project Wide risks.

4.6 Community Outreach

- **Activities this month**

- HART's project outreach included presentations for business groups, community groups and trade organizations. The *Food and New Products Show* (see photo below), with an estimated 30,000 attendees, was among the outreach events HART participated in.

Figure 39. Visitors at the Food and New Products Show watch a HART presentation on rail



- HART's public involvement team responded to more than 40 public inquiries this month that came in via the agency's website, email and hotline.
 - To date, staff has participated in:
 - 1,352 presentations and events and
 - 708 neighborhood boards.
 - With the accelerated Archaeological Inventory Survey (AIS) work in the Airport and City Center areas continuing, HART's outreach team is providing information on the survey work to stakeholders and the media.
- **Look Ahead**
 - Business and Community meetings continue along the alignment to provide the public with up-to-date project information.
 - HART will partner with the Department of Planning and Permitting to provide project information and information on transit-oriented development at the 2012 Splendor of China.
 - HART's website will launch a youth page to engage students and provide information and project facts online.

5 STAFFING

HART staffing activities in September are summarized in Figure 40 below. HART staffing projections are shown in Figure 40 and Figure 41 below. For organizational structure detail, see the latest HART Project Organization Chart in Appendix A on page 62.

Figure 40. Staffing Activities

Title	Group	New/Existing HART position (City or PMSC)	Position Status	Start Month
Engineering and Construction				
Engineer VI	City Center	New (City)	Recruiting	
Traffic Engineer I/II	Facilities	Existing (PMSC)	PMSC (temp)	
Electrical Engineer III/IV*	Core Systems	New (City)	Interviewing	
Budget and Finance				
Fiscal Analyst II	Project Controls	Existing (PMSC)	Filled	Oct
Budget Analyst	Budget and Finance	New (City)	Recruiting	
Risk Manager	Budget and Finance	New (City)	Recruiting	
Contract Change Specialist Supervisor	Configuration Management	New (City)	Recruiting/Interviewing	
Procurement and Specifications Specialist I/II*	Procurement and Contracts	Existing (City)	Recruiting	
Scheduler	Project Controls	Existing (City)	Recruiting	
Planning, Utilities, Permits and Right of Way				
Architectural Historian	Planning	New (City)	Recruiting	
System Safety and Security				
Safety Certification Manager	System Safety and Security	New (City)	Recruiting	
Safety Specialist	System Safety and Security	New (City)	Recruiting/Interviewing	
Manager	Project Labor Agreement	New (City)	Recruiting	
Civil Rights				
Human Resources Specialist - Disadvantaged Business Enterprises (DBE)	Civil Rights	New (City)	Recruiting/Interviewing	
Human Resources Specialist – Equal Employment Opportunity (EEO)	Civil Rights	New (City)	Recruiting/Interviewing	

*Per qualifications.

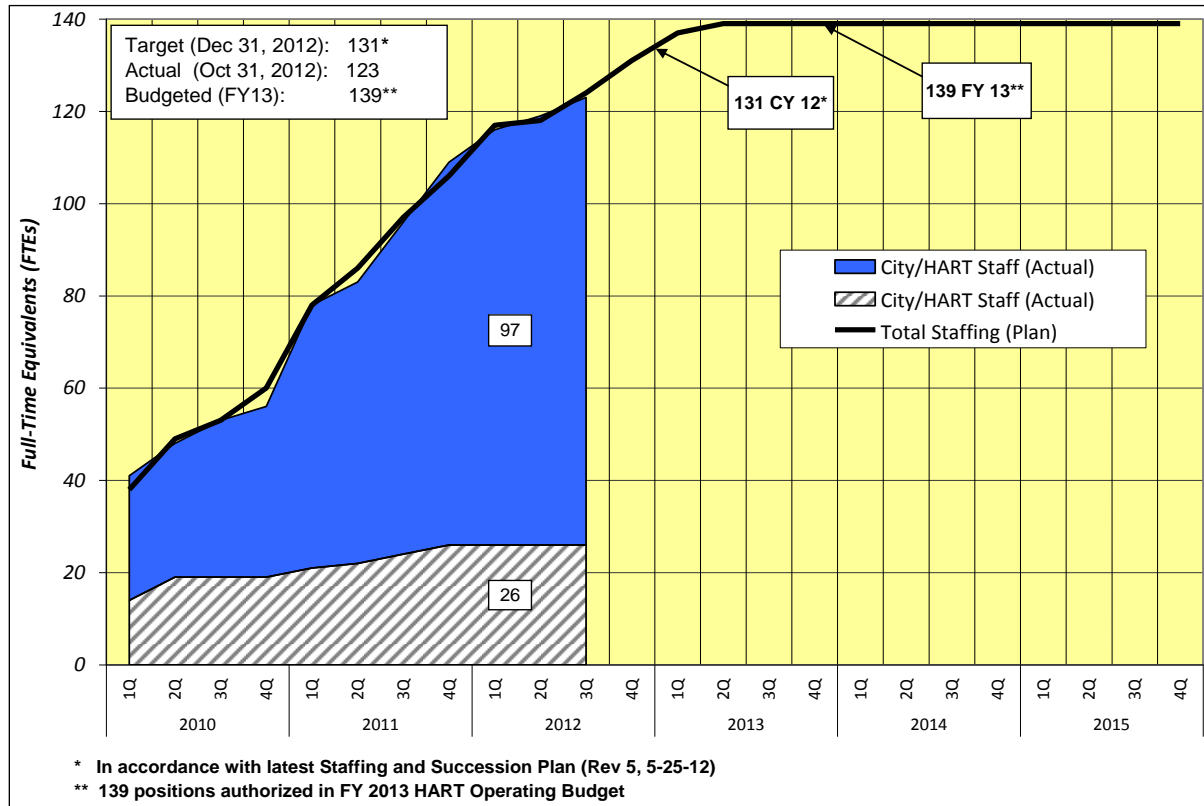
Figure 41. HART Staffing Projection in the Current Staffing Plan

[Also see the Staffing Chart in Figure 42 on the next page]	as of:	# Employees
Target*	Dec 31	131
Actual*	Oct 31	123
Full-Time Employees budgeted for FY13**	Jul 1	139

*Including PMSC staff **Excluding PMSC staff.

HART currently receives direct project support in centralized functions from the following City departments Honolulu Police Department (HPD), Department of Information Technology (DIT), Department of Budget and Fiscal Services (BFS), Department of Design and Construction (DDC), Corporation Counsel (COR) and Department of Human Resources (DHR); and from the State of Hawaii Department of Transportation (HDOT) on Consultant Services Contracts.


Figure 42. Project Staffing (Actual vs. Planned)





6 APPENDICES

Appendix A. Project Organization Chart

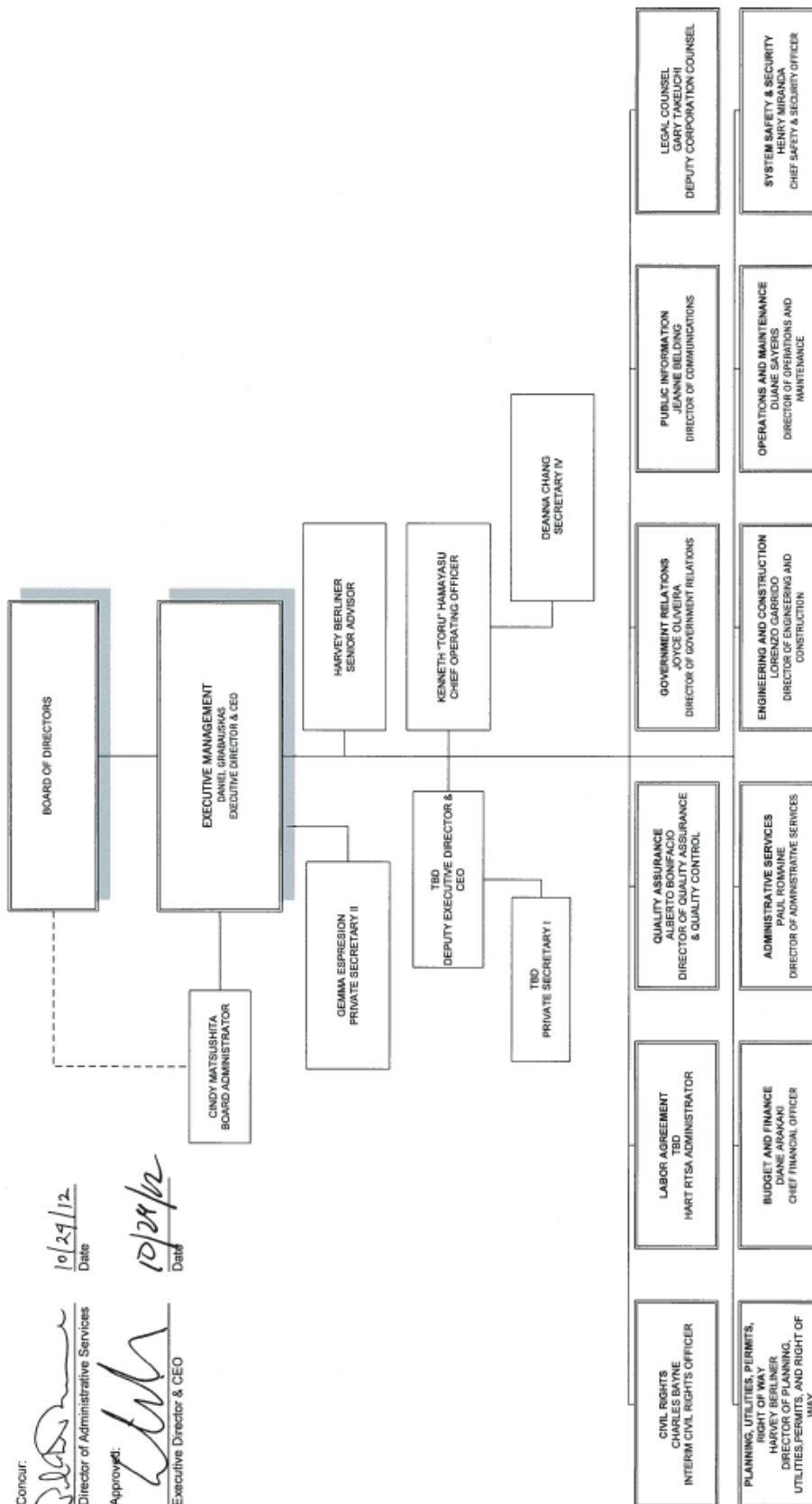
HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

Prepared by:

 Administrative Specialist
 Date: 10/24/12

Concur:

 Director of Administrative Services
 Date: 10/24/12

Approved:

 Executive Director & CEO
 Date: 10/24/12

OCTOBER 24, 2012



Appendix B. Project Alignment

